

# Master of Biotechnology



**Class of 2025  
Student Profile Booklet  
Co-op Program 2023-2024**

## TABLE OF CONTENTS

Director's Message	2	Salary Guidelines	7
MBiotech Co-op Program - Overview	3	Sample Co-op Position Titles	7
Biopharmaceuticals Stream	4	Program Contact Information	8
Student Qualifications	5	Student Profiles	9-47
Co-op Recruitment & Scheduling	6	Notes	48
Criteria For Co-op Placements	6		

## STUDENT PROFILES

Margaret Anderson	9	Ashwin John Mathews	29
Bhumik Aparanji	10	Savan Mathur	30
Emily Chow	11	Tony Mei	31
Matthan Condez	12	Lauren Michelberger	32
Alexandra Di Nenno	13	Muhammad Muhammad	33
Aiysha Ebrahim	14	Gretta Olivares	34
Eline El-Awad Gonzalez	15	Nidhi Parikh	35
Jenny (Tian) Gao	16	Jaimini Patel	36
Ishita Gupta	17	Roxana Ruiz Arduengo	37
Jenna Hall	18	Fathema Shaikh	38
Yushan Jin	19	Mahla Sheibani	39
Rylee Kalpin	20	Ali Siddiqui	40
Adeba Khogiani	21	Issraa Suliman	41
Ahmad Kubbar	22	Lauren Tabunar	42
Rachel Lam	23	Leslie Tan	43
Hank Lendvoy	24	Haya Tawfik	44
Laura Hui Lin Li	25	Travis Wang	45
Rini Lukose	26	Vincent Wang	46
Thomas Luong	27	Gavin Yuen	47
Kayla Jean Ri MacAskill	28		

# DIRECTOR'S MESSAGE

I am proud to announce that the MBiotech Program is now entering its 22nd year of delivering exemplary education and co-op opportunities to our outstanding students. For two decades, we have been privileged to have the strong support of our corporate sponsors, who have enabled us to provide a truly unique and life-changing educational experience. We are proud of the partnerships that have been established over the years and of the hard work of our students, staff, and faculty.

Our students continue to exemplify excellence in their science and business skills, innovative mindset, and creative thinking. I am honoured to be part of such a prestigious and talented community. We are very grateful for the ongoing support from our sponsors over the years and for their commitment to providing co-op experiences that are paramount to our program's success.

Let's celebrate 22 years of excellence and continue shaping the future of the life science ecosystem!



## *M. Cynthia Goh*

Professor of Chemistry, Materials Science & Engineering, Chemical Engineering & Applied Chemistry, Medical Science, Management & Innovation  
Acting Director, MBiotech Program

# MBIOTECH CO-OP PROGRAM - OVERVIEW

The Co-op Placement Program is a cornerstone of the MBiotech Program and is one of the most important and influential benefits offered to our students. This program consists of three courses (BTC 1900Y, 1910Y & 1920Y) and allows students to gain up to three credits toward graduation while also giving them the opportunity to participate in an experiential learning program in the workplace. With over 20 years of sustained relationships with major industry sponsors, the Program offers outstanding opportunities to benefit both students and sponsors alike. MBiotech students on their placements serve as ambassadors for the Program and their invaluable experience allows them to transition into their chosen field more seamlessly after graduation. This program is a key part of the MBiotech experience and offers the vital combination of classroom studies and workplace exposure for a well-rounded education.

For over two decades, MBiotech has cultivated strong relationships with leading companies in the biopharma, biotech, and digital health tech sectors, ensuring our students are provided with meaningful placement opportunities that can help jumpstart their careers. Through these placements, our students are granted the chance to gain practical knowledge and develop fundamental business and scientific skills in the field. We recognize the beneficial nature of such a collaboration, as our students' presence serves to showcase and bolster the brand excellence of both our partners and the University. As such, it is expected of them to show professionalism and commitment to the program and all its associated sponsors. Our track record speaks for itself, as we witness many graduates immediately transition into full-time positions and nearly all secure employment soon following graduation.

Dr. Nazeem Shamsuddin manages the internship portfolio for the MBiotech Program. Dr. Shamsuddin has a wealth of experience to help guide our students and employers through the entire hiring process and will be on hand to offer advice at every stage. He will provide mentorship to students pre- and post-placement, giving them the best advice and strategies to excel in highly sought-after opportunities. We urge our students to strive for these opportunities, as it will not only be invaluable for them but also be an exciting experience.

As we look forward to the future and sustaining our strong partnerships, we are confident that this Program will continue to prove successful for our students and sponsoring companies alike. Finally, I would like to thank our sponsors and corporate partners for showing their loyalty and support. You play a huge role in our success, and we are grateful for it!

MBiotech Placement Team



Dr. Nazeem Shamsuddin



Kinza Khan

# BIOPHARMACEUTICALS STREAM

The MBiotech Program (Biopharmaceuticals stream) offers 13 graduate courses, in both science and business, over a 24-month period including:

## **Science Courses:**

- Molecular Biology Laboratory
- Biomaterials and Protein Chemistry Concepts
- Biotechnology and Medicine
- Biotechnology & Drug Manufacturing
- Biotechnology in Agriculture & Natural Products

## **Business Courses:**

- Effective Management Practices
- Fundamental of Managerial Concepts
- Society, Organizations and Technology
- Management of Technological Innovation

## **Additional MBiotech Courses:**

- Biopartnering Seminar – full year required course
- Work Term I
- Work Term II
- Work Term III

## **MBiotech is committed to:**

- Working closely with industry and developing a graduate program that meets the requirements of current employers
- Providing a broad background of in-depth classroom and laboratory based courses relevant to biotechnology
- Introducing students to a wide range of current and possible biotechnology niches in the workplace
- Developing strong business and interpersonal skills in our graduate students
- Interfacing with a wide range of biotechnology and pharmaceutical companies through internships

**Training today's innovative scientists to become tomorrow's business leaders**

# STUDENT QUALIFICATIONS

*Training today's innovative scientists to become tomorrow's business leaders.*

Our interns bring with them a professional mindset, as well as a broad spectrum of learning acquired in both laboratories and the classroom. Our courses focus on topics of special relevance for today's biotechnology and biopharmaceutical industries. Our current placements largely provide experience in the biopharmaceutical, medical device, diagnostic and related industries.

*Our Students' qualifications:*

- Diverse graduate and undergraduate backgrounds in cell and molecular biology, human biology, chemistry, chemical engineering and more
- Highly qualified, bright, committed individuals eager to learn and make the most of their internship opportunity
- Well trained in the diverse aspects of modern biotechnology research and development
- Future team leaders with a firm understanding of organizational skills and the importance of working together to benefit your team

Our students have a professional mindset, as well as a broad spectrum of learning acquired in both laboratories and the classroom that focuses on topics of special relevance for today's biotechnology and biopharmaceutical industries. Our current placements in the biotechnology industry include pharmaceuticals, medical devices, diagnostics and biofuels. Internships are arranged on a full-time, 4-month renewal basis and can be extended for up to 12 months. Placement timing is flexible and coordinated through the calendar year, commencing every January.

This Student Profile Directory is a guide created for employers and industry partners in order to introduce you to our students. The students presented in this guide are seeking 4, 8, or 12 month work terms beginning in January, May or September of 2023. Our students have multi-disciplinary science backgrounds combined with business aptitude, excellent communication skills and teamwork abilities. The versatile nature of MBIotech students will make them valuable contributors to your organization.

## Why Hire An MBIotech Student?

### Track Record of Excellence

- Repeat employers and supervisors testify the value of hiring our students

### Excellent Recruitment Tool

- Students are rigorously pre-screened by the MBIotech team

### Proven Past Employer Satisfaction

- Our 3-year average for placement duration of interns is 12 months (two 4 month renewals are usual)

### Co-ops Are Competitive

- Our salary guidelines are in the range of \$27-\$38 per hour, and as they are students no benefits packages are needed

### Fringe Benefits For You

- Employers can benefit from substantial tax incentives! See the section on salary guidelines for more information

# CO-OP RECRUITMENT & SCHEDULING

As part of our unique program, students take up to three consecutive work-terms with top employers across Ontario and beyond. All internships are arranged through our Senior Research Associate, where each placement is full time and a minimum of 4 months in duration. As such, co-ops can be extended/renewed up to a maximum of 12 months. Placement time is flexible and is coordinated throughout the calendar year.

## *Scheduling Guidelines:*

In general, co-ops begin at the start of each academic term. MBIotech encourages start dates to begin in January for the first work term, though the specific date is to be set by the hiring company.

**Work Term 1:**  
January to April

**Work Term 2:**  
May to August

**Work Term 3:**  
September to December

# CRITERIA FOR CO-OP PLACEMENTS

Each 4-month co-op placement is classified as a required course for the MBIotech program. As such, students receive academic credit for each placement they successfully complete. Specific criteria must then be satisfied to ensure students receive appropriate credit. Please see below for a full listing of required criteria.

## *Co-op placements must:*

- Be full-time for a minimum of four months (greater than 35 hours per week)
- Have a designated, qualified person responsible for evaluating the student's progress (please see adjacent section on 'evaluation component')
- Provide the student with in-depth exposure to the employer's organization
- Be developed and/or approved as a suitable setting for higher learning
- Be monitored by the Placement and Employer Relations Coordinator
- Completion of Employer-Student Evaluation. For each 4-month work term the direct supervisor is required to submit the MBIotech program Employer-Student Evaluation

# SALARY GUIDELINES

The work terms for MBIotech students are generally paid positions, with an average salary range of \$27-\$38 per hour. As MBIotech co-ops are students, salary packages generally do not need to include extended benefit plans. Employers may be eligible for the following **tax incentive program**, in regards to hiring MBIotech students:

## *Cooperative Education Tax Credit*

The Co-operative Education Tax Credit (CETC) is a refundable tax credit. The CETC is available to employers who hire students enrolled in a co-operative education program at an Ontario university or college. The Canada Revenue Agency (CRA) administers the program on behalf of Ontario through the federal income tax system.

The CETC is based on salaries and wages paid to a student in a co-operative education work placement. The maximum credit for each work placement is \$3,000. Most work placements are for a minimum employment period of 10 weeks up to a maximum of four months.

For full details, please visit the Ontario Ministry of Finance Website at: [www.fin.gov.on.ca/en/credit/cetc](http://www.fin.gov.on.ca/en/credit/cetc).

# SAMPLE CO-OP POSITION TITLES

MBIotech students, through our industry partners, have had the opportunity to work in all facets of the biotechnology sector. Each employer has the ability to structure and form their work placement(s) as it suits their needs and opportunities. The following placements act to serve only as an example of the types of opportunities previously made available through the MBIotech co-op program:

- Account Executive
- B100 MTEch Process Validation - Co-Op
- Clinical Global Study Associate
- Clinical Operations Associate
- Commercial Innovation Specialist
- Country Study Specialist
- Data Excellence Cluster
- Data Manager - Data Quality Lead
- Drug Reimbursement Analyst
- Dupixent Marketing Respiratory Intern
- Hematology Marketing Intern
- Inhaled Respiratory Marketing Intern
- iShift Key User - Co-Op
- Market Access and Pricing Intern
- Market Access Associate
- Marketing and PSS Intern, Dupixent
- Marketing Associate
- Medical Affairs Therapeutic Area Intern
- Medical Information Intern
- Oncology Diagnostics Intern
- Patient Support Services Intern
- QC Immunochemistry - Co-op
- Regulatory Affairs Associate
- Severe Respiratory Disease Intern



# PROGRAM CONTACT INFORMATION

For more information on hiring an MBiotech student:

Nazeem Shamsuddin  
Senior Research Associate  
Master of Biotechnology  
INSTITUTE FOR MANAGEMENT & INNOVATION  
Innovation Complex, KN 2258  
3359 Mississauga Rd | Mississauga, ON L5L 1C6 | Canada  
905-569-4736 | [nazeem.shamsuddin@utoronto.ca](mailto:nazeem.shamsuddin@utoronto.ca)  
[www.mbiotech.ca](http://www.mbiotech.ca)



Institute for Management & Innovation  
**UNIVERSITY OF TORONTO**  
MISSISSAUGA



**Margaret  
Anderson**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Highly motivated and goal orientated individual seeking opportunities for personal improvement.
- Proficient oral and written scientific communication skills developed through performance of independent studies and presenting research findings in both seminar and poster formats.
- Proven adaptability, decision-making, and team leadership as seen through rapid response to high stress emergency first aid situations with multiple victims and organization of 10+ lifeguard staff members.
- Strong communication and interpersonal skills demonstrated by teaching advanced aquatic leadership classes and catering adapted swimming lessons to participants with special needs and disabilities.
- Exceptional time management founded by achieving high academic distinction while conducting research, training as a varsity athlete, and working part-time 25+ hours weekly.
- Varsity Athlete, UTM Eagles Badminton – OCAA All-Academic Award (2019)

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science with High Distinction, Specialization in Molecular Biology, Major Psychology, Minor Chemistry, University of Toronto, Class of 2023 | Dean's List Scholar (2019-2023)

## EXPERIENCE AND QUALIFICATIONS

- Thesis Student, Currie Lab, University of Toronto – Conducted independent research examining interactions of INM proteins with histone deacetylases in *S. cerevisiae* using a yeast two-hybrid system.
- Research Student, Prosser Lab, University of Toronto – Investigated glyphosate metabolism in *P. pastoris* using RDMM to improve yield and labelling efficiency of tryptophan analogues, performed gene knockout in *E. coli* with CRISPR-Cas9 and  $\lambda$  red recombination.
- Laboratory Assistant, Prosser Lab, University of Toronto – Aided in expression, purification, and reconstitution of adenosine A2A receptor for NMR active state analysis.
- Pool Supervisor, University of Toronto Mississauga – Oversee operation of facility including knowledge of policies, procedures, and pool chemistry while providing task delegation and feedback to staff.
- Deck Coordinator, City of Mississauga – Present as main contact for patrons and representative of the facility ensuring management of programming, administrative tasks, customer service/inquiries, safety of pool, and coordination of staff.

## PERSONAL INTERESTS

- Badminton, swimming, reading, French horn, and personal fitness.



**Bhumika  
Aparanji**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Exceptionally self-motivated, ambitious, and goal-oriented individual with a dedication to scientific progress in an interdisciplinary framework and personal growth.
- Proven critical thinking, problem-solving, and organizational skills accredited to a strong technical background in molecular biology and bio-conjugate chemistry research.
- Effective time and project management skills honed through simultaneous research projects, community engagement, academics, and extracurricular activities.
- Excellent interpersonal skills with the ability to facilitate a productive and supportive work environment and maintain professionalism in fast-paced, high-pressure environments honed through 2+ years of extensive team-based work and leadership in the Science Undergraduate Society of the University of British Columbia and concurrent customer service experience in the food and recreation industry.
- Recipient of the 2021 Work Learn International Undergraduate Research Award to conduct research at the University of British Columbia.

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Bachelor of Science with Distinction, Major in Biochemistry, University of British Columbia, Class of 2023, Dean's Honour List

## EXPERIENCE AND QUALIFICATIONS

- Research Assistant, Jan Lab, UBC – Investigated changes in *drosophila* translation levels of exogenous *in vitro* transcribed mRNA with modified nucleotides.
- Content Developer, AMiNDR Podcast – Conducted literature reviews of Alzheimer's imaging tools and diagnosis research and presented the findings in monthly podcast episodes. Managed the bibliography team and overseeing quality and punctuality.
- Research Assistant, Algar Lab, UBC – Developed and optimized a smartphone-based point-of-care device for determining blood protease concentrations using quantum dots in a lateral flow microfluidic assay for a multidisciplinary CIHR project.
- Marketing Intern, Altek International FZE – Conducted a value proposition study for Honeywell TITAN™ and created targeted marketing information packages for potential clients.
- Operations Staff, UBC Recreation – Facilitated recreation facility operations by managing the front desk, regulating customer traffic, managing the fitness class schedules, and ensuring proper use and function of equipment.

## PERSONAL INTERESTS

- Cooking and exploring food history, squash, traveling, comics, and personal fitness.



**Emily  
Chow**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- A highly skilled and results-driven individual with a diverse background in scientific research, customer service, and community involvement.
- Proven producer of recognizably high-quality work, achieved through stepwise action towards research and academic goals, as demonstrated by Faculty commendation of my Undergraduate Thesis Presentation.
- A strong collaborator that actively engages in group discussions, utilizing effective communication and active listening to achieve shared goals.
- Strong technical background in cellular and molecular biology research, developing critical thinking and analytical skills, through 2+ years of research experience.
- Recipient of two undergraduate research grants; the Natural Sciences and Engineering Research Council of Canada – Undergraduate Student Research Award, NSERC-URSA (2021) and the Program for Undergraduate Research Experience Award (2022)
- Honoree of the Jason Lang Scholarship (2020, 2021, 2022), University of Calgary: Superwork Scholarship (2021), University of Calgary: CMMB Undergraduate Research Symposium – Best Presentation Award (2023), University of Calgary: Undergraduate Research Symposium – Faculty of Science Award (2022)

## **EDUCATION**

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Bachelor of Science, First Class Honours, Cellular, Molecular, and Microbial Biology, University of Calgary, Class of 2023, Dean's List (2019-2023)

## **EXPERIENCE AND QUALIFICATIONS**

- Undergraduate Research Associate, University of Calgary, Dr. Carrie Shemanko's cellular and molecular biology laboratory – Investigating the role of prolactin in metastatic breast cancer. Utilized genetically modified human breast cancer cell lines and animal models to elucidate signal transduction pathways involved with metastatic bone lesions.
- Undergraduate Research Associate, University of Calgary, Dr. Marcus Samuel's plant molecular biology laboratory – Using molecular and histological techniques to characterize genetically modified high-yield canola varieties.
- Coxswain, University of Calgary Dinosaurs Rowing – Novice Men's and Women's 8+ Teams. Cultivated leadership, crew management, and teamwork skills as we trained to compete in regattas.
- Private Tutoring – 4+ years of experience tutoring Science and Mathematics, working with the student's individual needs to best support their academic development.

## **PERSONAL INTERESTS**

- The Toronto Blue Jays, cycling, cooking, crocheting



**Matthan  
Condez**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- As a lab technician, attained practical wet-lab experience and acted as an effective liaison between lab personnel and stakeholders.
- While working in a sales capacity, achieved proficiency in relationship building through outreach, objection handling, and mediation.
- Functioned as an effective leader in the roles of Co-President of the Brock Biological Society and as the elected Class Representative for the MBiotech Class of 2025.
- Received the “Distinguished Graduating Student Award” for achieving the highest major average in the Biochemistry program at Brock University.
- Featured as an innovator in the “Niagara Falls Review” for the creation of the Distracted Driving Awareness System (DDAS) and in “The Brock News” for outstanding academic performance.

## **EDUCATION**

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science – Biochemistry, First Class Standing, Brock University, Class of 2021.

## **EXPERIENCE AND QUALIFICATIONS**

- Laboratory Technician at Norgen Biotek – Assisted with the development of novel diagnostic products, most notably, a saliva based COVID-19 test kit during the pandemic. Routinely performed techniques relevant to molecular biology, such as, column-based purification of DNA/RNA/protein, Next Generation Sequencing (NGS), and liquid biopsy tests. Certified for clean room production of material compliant with cGMP regulations. Collaborated with teams from various functional departments such as manufacturing, regulatory affairs, marketing, and sales throughout several product launches.
- Sales Development Representative at SciLeads – Established business relations with members of academia and decision makers at companies involved in the biopharma industry. Coordinated meetings and facilitated dialogue with KOLs and industry leaders at various conferences, the largest being SfN in San Diego and ASHG in Los Angeles.
- Co-President of the Brock Biological Society – Led team meetings and delegated tasks to organize initiatives that would support students with their education as well as establish a sense of community amongst students in STEM.

## **PERSONAL INTERESTS**

- Snowboarding, volleyball, bouldering, meeting new people and organizing community events.



**Alexandra  
Di Nenzo**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- Highly motivated and goal oriented individual, continually seeking opportunities for growth while embracing new challenges with an unwavering commitment to excellence.
- Exceptional time management and project management skills cultivated through the dynamic execution of an interdisciplinary capstone project in addition to various team projects with a strong leadership focus.
- Excellent critical thinking, problem solving, and analytical skills attributed to a strong scientific background and laboratory experience.
- Strong interpersonal and communication skills exemplified through numerous academic presentations, SOP development and 6+ years of customer service experience.
- Proven ability to work adeptly both independently and in group settings, utilizing strong self- motivation while actively creating a positive and supportive working environment.
- Recipient of the York Continuing Student Scholarship, Office of Sustainability Award (2023), Office of Alumni Engagement Award (2023).

## **EDUCATION**

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science, First Class Honours, Major in Biology and Minor in Chemistry, York University, Class of 2023, Dean's Honour List

## **EXPERIENCE AND QUALIFICATIONS**

- Microbiology Intern, SteriLabs Canada- Conducted steam sterilization validation studies for medical devices to ensure appropriate Sterility Assurance Levels (SAL) for Health Canada and FDA approval. Developed SOPs for laboratory equipment to ensure optimal functionality and adherence to safety protocols.
- Pharmacy Assistant, Guardian Pharmacy- Proficiently prepared prescriptions while liaising with healthcare providers, insurance companies and patients to ensure seamless communication and optimal patient care. Monitored pharmaceutical inventory, proactively initiating stock orders for inventory management.
- Capstone Project, York University- Partnered with the Office of Sustainability to develop comprehensive lesson plans to educate and foster a culture of environmental sustainability on campus.
- Tutor, Oxford Learning- Employed effective learning strategies and provided personalized lesson plans in math and science to facilitate academic growth for high school students.
- Program Instructor, Caledon Centre for Recreation and Wellness- Developed and delivered innovative lesson plans designed to meet diverse learning styles.

## **PERSONAL INTERESTS**

- Formula 1, Sustainability, Dance, Fashion, Puzzles, Baking and Hiking





**Aiysha  
Ebrahim**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- Exceptionally motivated and results driven individual with proven ability to work well under fast paced and high-pressure environments.
- Teamwork skills demonstrated through completion and presentation of team-based projects in the INSPIRE Scholars Drug Discovery Program at University of Toronto Mississauga (UTM).
- Exemplary communication skills developed by tutoring concepts of Organic Chemistry I to students as a Facilitated Study Group leader at UTM.
- Extensive research training as a research assistant with specializations in chemical biology, organic chemistry, medicinal chemistry, pharmacology, and physiology.
- Extensive Microsoft and computational skills like office, excel, and R, developed as research assistant statistically analyzing data on knowledge of contraceptives at UTM.
- Proficient leadership and interpersonal skills as senior lifeguard and aquatic instructor with the City of Mississauga, mentoring and training newly hired employees.
- Bilingual proficiency in English and Arabic.

## **EDUCATION**

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science, with high distinction, Specialist in Biotechnology & minor in chemistry, University of Toronto, class of 2023

## **EXPERIENCE AND QUALIFICATIONS**

- Undergraduate Thesis project, Beharry Lab, University of Toronto, synthesized probes for photodynamic therapy applications in the dark via chemiluminescence.
- Research opportunity Program, Dr. Nagham Abdalahad, University of Toronto, statistically analyzed survey data on knowledge of contraceptives. Provided presentations to communicate the physiology behind contraceptives.
- INSPIRE drug discovery program, University of Toronto. Collaborated in teams to conduct laboratory and computational research on GPCR proteins. Networked with industry and faculty experts in the drug discovery/development sector.
- Facilitated study group leader of Organic chemistry I, University of Toronto, developed session plans for each study session and strategically walking through problems with students.
- Lifeguard and swim instructor, City of Mississauga. Trained newly hired staff and provided constructive feedback where necessary.

## **PERSONAL INTERESTS**

- Swimming, working out, travelling, and watching soccer matches.



**Eline  
El-Awad Gonzalez**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Proficient problem solving and critical thinking capabilities developed through 3+ years of experience in research laboratories ranging from molecular biology to bio-analytical chemistry
- Exceptional written communication skills demonstrated through multiple co-authorship publications in books relating to health, astronomy, and radiology
- Versed in clinical and research settings while focusing on learning to develop innovative strategies to overcome challenges faced by the current healthcare systems
- Excellent leadership skills acquired through teaching experiences and research roles with an ability to work well collaboratively and independently in dynamic environments
- Strong time-management and organizational skills developed through leading projects and delegating tasks, while meeting competing deadlines
- Experienced in using Microsoft software (Excel, Word, PowerPoint), R programming and GraphPad Prism

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science, Chemical Biology, McMaster University, Class of 2023 – Dean's Honour List

## EXPERIENCE AND QUALIFICATIONS

- Thesis Research Student, *Atherosclerosis* & Thrombosis Research Institute – Investigated Von Willebrand Factor implications in thrombotic disorders through protein silencing by siRNA transfections
- Research Intern, Eberhard Karl University of Tübingen (Germany) – Conducted behavioral transgenic mice studies to analyze the efficacy of a gene therapy treatment for spinocerebellar ataxia 3, while investigating genetic variations (SNPs) in patient samples
- Clinical Volunteer, Dr. Curnew's Cardiology Clinic – Worked closely with physicians and patients to create and deliver evidence-based webinars on various experimental medications evaluated for chronic cardiovascular conditions
- Research Assistant, McMaster Immunology Research Center – Investigated modulations of cancer cell interactions by synthesizing and characterizing covalent immune recruiters capable of engaging immune cells
- Teaching Assistant, McMaster University – Accumulated 300+ hours instructing tutorials focused on data analysis and knowledge translation in chemistry, biology, and medical radiation sciences

## PERSONAL INTERESTS

- Travelling, reading, kayaking, photography, graphic design





**Jenny (Tian)  
Gao**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- Insightful, goal-oriented and team-motivated learner with 8+ years of work in public service and project management. 3+ years of technical experience in biochemistry, cell biology, and neurology research.
- Refined verbal and written communication skills cultivated through dynamic research/proposal presentations to faculty at the Schulich School of Medicine & Dentistry.
- Proactive in project organization and delivery as demonstrated by hiring and leading 90+ volunteers to distribute the Science Orientation Programming at Western University.
- Astute under new learning opportunities with excellent critical thinking skills, as enriched by work with BL6 mouse models to research Alzheimer's Disease
- Well-versed in Excel, GraphPad Prism, biomedical manufacturing, marketing reports, commercialization, GMP, and regulatory processes. Bilingual in English and Mandarin.
- Recipient of Western Gold Medal for highest standing in an undergraduate module, and Western Continuing Admission Scholarship (\$10,000).

## **EDUCATION**

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Bachelor of Medical Sciences with Scholars, Honours Specialization in Biochemistry and Cell Biology, Western University, Class of 2023 (Dean's Honour List, 2019-2023).

## **EXPERIENCE AND QUALIFICATIONS**

- Honours Thesis Researcher, Robarts Research Institute – Optimized multiple immunofluorescence staining protocols for mAbs to obtain publication quality images for journals. Precisely adhered to multiple SOPs focused on building a more translational Alzheimer's Disease research mouse model.
- Research Assistant, Ivey Business School – Conducted behavioural analyses/surveys with confidentiality for marketing consultancies and faculty, providing detailed insights and reports on consumer behaviorism. Versed with data collection systems including Qualtrics XM, Unity Lab Market.
- Science-Charity Programming Assistant, Western University – Effectively harmonized a team of 90+ volunteers to deliver large-scale in-person events, resulting in a welcoming and safe orientation program for 2,200+ students. Also, stewarded charity volunteers to raise \$1,400+ for cancer research and \$400+ for mental health services.
- English-Conversations Program Facilitator, IESC, Western University – Collaborated with peers and managers to program weekly educational sessions for international undergraduate and graduate students.

## **PERSONAL INTERESTS**

- Indoor rock climbing, graphic design, creating paper-flowers bouquets, cycling, building community



**Ishita  
Gupta**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- Ambitious, ready to take on challenges and learn new skills as exhibited by undertaking online courses on excel, tableau, introduction to Finance and digital marketing.
- Strong communication skills demonstrated through tutoring, volunteering experiences and speaking at various trainings and seminars.
- Dedicated team player, honed through peer publications, campaign organizing and fundraising.
- Excellent time management and organization skills developed through balancing coursework, and part time commitments.
- Exceptional leadership skills demonstrated through taking initiatives for starting projects in sustainability.
- Adept at critical thinking and problem solving through analysing forensic evidence both in laboratories and as documents.
- Article published in e-forensic magazine on Mobile Forensics.

## **EDUCATION**

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Master of Forensic Science with Distinction, King's College London, Class of 2020
- Honors Bachelor of Chemistry, University of York, Class of 2016-2019

## **EXPERIENCE AND QUALIFICATIONS**

- Associate Researcher Forensics, Project 39A- Analysed DNA reports from death penalty cases to identify procedural errors, and unscientific data.
- Market Research Intern, TechPlus Media- Conducted research on market size and competitors for the security solutions used by IT companies.
- Environmental Epigenetics Intern, ICMR NIREH- Carried out techniques such as ELISA, SDS PAGE, western blotting, bisulfite conversion and RT-PCR on unknown samples.
- Biology/ Serology and DNA Intern, Regional Forensic Science Laboratory- Performed presumptive and confirmatory tests for body fluids such as semen, blood and saliva for DNA profiling.
- Volunteering, Beti Foundation- Fundraiser, events organizer and tutored subjects like maths and english to elementary students. Distributed essentials to unprivileged families during COVID.
- Residence Sustainability Initiative Assistant, University of Toronto- Maintaining the residence garden, recruiting volunteers, formulating promotional strategies and planning events.

## **PERSONAL INTERESTS**

- Sustainability, community service, entrepreneurship, badminton, mystery games and dancing.



**Jenna  
Hall**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Ambitious, hard-working, and detail-oriented individual with valuable experiences working both independently and in team-based settings with peers, professors, and healthcare professionals.
- Skilled in various microbiology techniques with extensive experience working with plant and fungal species.
- Excellent leadership and teamwork skills demonstrated through starting and running a university club, undergraduate laboratory courses, and running an aesthetics business.
- Exceptional scientific communication, problem-solving, and analytical skills developed through conducting an honours thesis and writing a literature review for a scientific journal.
- Recipient of Branscombe Family Foundation Scholarship (2019–2023), Dr. Andrea Reisch Toepell Memorial Scholarship (2020), and an invitation to the Golden Key International Honour Society (2023).

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science in Biological Sciences with First-Class Standing, Brock University, Class of 2023, Dean's Honour List (2020–2023)

## EXPERIENCE AND QUALIFICATIONS

- Undergraduate Research Thesis, Bidochka Laboratory – Independent research project examining the ability of various endophytic fungi to ameliorate abiotic stressors of high salinity and drought in *Cannabis sativa* plants.
- Literature Review, Brock University – Researched endophytic fungi, their respective plant hosts, mechanisms behind endophytic associations and ways they can mediate various environmental stressors for submission to MDPI Microorganisms Journal.
- Tutor, Self-Employed – Taught and reviewed material in grade 12 university level chemistry and biology courses in one-on-one weekly sessions with high school students. Assessed student's progress at each session to make recommendations to increase effectiveness during tutoring sessions and school lessons.
- COVID-19 Screener, Radiant Care Tabor Manor – Screened visitors and workers for COVID-19 symptoms, enforced mandatory testing requirements and recommended PPE.
- President/Founder of Brock Senior Ties Club, Brock University – Organized events including fundraising and wellness promotion for seniors and connected students with local retirement homes for volunteering opportunities.

## PERSONAL INTERESTS

- Powerlifting, traveling, cooking, self-development, music



**Yushan  
Jin**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- Self-motivated and goal-oriented individual with a strong work ethic and collaborative mindset
- Proficient scientific writing and communication skills acquired through writing formal research reports, conference presentations, and co-authoring 4 scientific publications
- Extensive research experience in immunology, drug discovery, and chemical biology with strong analytical and critical thinking skills in data interpretation and summarization using Python, R, GraphPad Prism and Microsoft Office Suite
- Exceptional communication and relationship-building skills, demonstrated through successfully securing \$10,000 worth of sponsorship for the University of Toronto Life Science Connection (Undergraduate Student Club)
- Highly adaptable and committed to continuous professional and personal growth, exemplified through successfully conducting research projects in two distinct countries
- Native proficiency in English and Mandarin

## **EDUCATION**

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science with High Distinction, Double Major in Immunology and Cells and Systems Biology, University of Toronto, Class of 2023; Dean's List Scholar 2019-2023

## **EXPERIENCE AND QUALIFICATIONS**

- Student Researcher, University of Toronto – Optimized SOPs for adipocyte RNA extraction; conducted experiments such as RT-qPCR, immunofluorescence, and flow cytometry to investigate the role of HEBAt transcription factor in T-cell development and how it affects insulin resistance
- Student Researcher and Co-Author of Publications, Chinese Academy of Sciences – Collaborated with senior research scientists to assist in manuscript editing and revising for multiple drug discovery publications
- Director of Public Directions, University of Toronto Life Science Connection – Led a team of members to coordinate sponsorships from external organizations; maintaining mutually beneficial partnerships with other student clubs through event planning
- Member of Public Relations, BioBoat – Communicated with the Human Resources department of 10+ pharmaceutical and biotechnology companies in China, including Sanofi Pasteur, Bayer, Genesis MedTech, and Casstar, to recruit job postings information to be shared on BioBoat WeChat Official Account (10k+ followers)

## **PERSONAL INTERESTS**

- Pilates, traveling, volunteering, mountain hiking, photography



**Rylee  
Kalpin**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- Motivated, enthusiastic individual with a collaborative mindset who thrives working in a fast-paced dynamic environment
- Team player committed to providing proactive contributions, taking on new challenges, and seeking learning opportunities
- Strong verbal and written communication skills developed through experience with client-facing roles, creating numerous SOPs and presenting scientific data in professional settings
- Analytical and critical thinking skills honed through quantitative and qualitative research experience across various laboratories
- Exceptional organizational skills demonstrated through the creation of a high-volume online inventory system leveraged by several adjacent teams in the company
- Accomplished leader that successfully managed various teams in academic, recreational and professional settings

## **EDUCATION**

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science with Distinction, Biomedical Toxicology Co-op, University of Guelph, Class of 2022, Dean's Honour list (2017 – 2022)

## **EXPERIENCE AND QUALIFICATIONS**

- Cosmetic Laboratory Technician, Mirexus Biotechnologies Inc. – Formulated a facial cleanser for their subsidiary division Veriphy Skincare and assisted with large-scale development; product was launched by large retail corporations including Shoppers Drug Mart and Amazon.
- Program Manager, Civatree Technologies Inc. – Guided employees to collaboratively integrate online databases while managing project timelines and initiating payments to contractors for their newly acquired company.
- QC Laboratory Technician, Gum Products International Inc. – Tested incoming hydrocolloid products to ensure microbiological and physical specifications were met. Utilized an automated VIDAS® immunoassay system to inspect salmonella growth along with other lab techniques to evaluate gel strength and viscosity.
- President of the Toxicology Student Association, University of Guelph – Managed a team to organize recreational events for Biomedical Toxicology students. Coordinated the procurement of academic speakers to present their research on food and nutritional toxicology at the annual Toxicology Symposium.

## **PERSONAL INTERESTS**

- Travelling, skateboarding, flag football, puzzles and reading



**Adeb  
Khogiani**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- A highly motivated individual with a strong desire for personal and professional growth by actively seeking opportunities to expand knowledge and skills.
- Strong ability to collaborate and communicate effectively with diverse teams fostering a cooperative and productive work environment cultivated by working in various team-based settings.
- Proficient problem-solving and critical thinking skills refined through research exposure encompassing various academic and professional disciplines.
- Excel in managing competing deadlines for multiple projects without compromising quality by effectively adjusting strategies to accommodate shifting priorities through enhanced organizational capabilities.
- High level of empathy demonstrated through active listening and conflict resolution in various populations, including individuals with physical and mental challenges as a Behavioral Support Specialist.
- Recipient of Port Credit Rotary Scholarship, McMaster University Academic Excellence Entrance Scholarship, McMaster Biology Award, Dean's Honour Roll.

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science, majoring in Biology, Psychology, Neuroscience and Behaviour with a minor in Biochemistry.
- Graduated with distinction, *summa cum laude*.

## EXPERIENCE AND QUALIFICATIONS

- Clinical and Administrative Assistant, Dr. Jean Pierre Sarco – Created, modified and compiled confidential files using EMR. Communicated with patients to address concerns using knowledge of physiatry.
- Behavioural Support Specialist, Safe Management Group – Provided specialized care services to individuals with a wide range of cognitive disabilities and employed techniques learned in Crisis Intervention Training to de-escalate aggressive behaviours.
- Research Assistant, ARiEAL Lab – Prepared participants in a diagnosed coma state for EEG-based experiments and successfully troubleshooted faulty electrodes to ensure interpretable data.
- Senior Honours Thesis, Dr. Juliet Daniel's lab – Investigated the relationship between inflammation and colon cancer by the transcription factor, Kaiso, through *in-vitro* and *in-silico* analysis.
- Research practicum, Dr. Reuvan Dukas' lab – Examined the sociability and forced copulation in *D. melanogaster* by performing artificial selection models and constructed graphical models using R software.

## PERSONAL INTERESTS

- Volleyball, basketball, hiking, rock climbing, reading, DIY crafts.





**Ahmad  
Kubbar**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- An ambitious, driven, individual who takes initiative, works hard, and loves challenges, and performs under pressure.
- Demonstrated excellent time-management and efficiency through the completion of a full-time internship alongside a full university course load.
- Strong leadership, teamwork, and communication honed over 10 years of competitive basketball experience, 3 of which were served as captain.
- Proven versatility and adaptability exemplified by research in vastly differing areas of biology (genetics of neurodevelopmental disorders and cellular expression systems for diagnostics)
- Excellent interpersonal skills exemplified in basketball, soccer, and volleyball refereeing.
- Fluent in English and Arabic

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honors Bachelor of Science with High Distinction, Biotechnology Specialist and Chemistry Minor, University of Toronto Mississauga, Class of 2023, Dean's List (2019–2023)

## EXPERIENCE AND QUALIFICATIONS

- University of Toronto, Student Researcher. September 2022 – May 2023. Developing a lateral flow immunoassay using yeast surface expression to detect malaria.
- University of Toronto, Teaching Assistant. January 2023 – May 2023. Conducting thermodynamics (JCP221) tutorials. Reviewing course content, solving practice questions with students, and marking weekly assignments
- Qatar Biomedical Research Institute, Intern. September 2021–December 2021. Identifying novel genes involved in neurodevelopmental disorders such as autism via experimental methods and using bioinformatic tools. Used experimental techniques (PCR, Western blot, etc.) and WES analysis software to analyze and test genetic data sets to determine significant mutations and identify genes potentially implicated in neurodevelopmental disorders.
- Qatar Computing Research Institute, Intern. May 2021–July 2021. Functional annotation of interferon associated oncogenes using SNPs via R programming.

## PERSONAL INTERESTS

- Basketball, football (soccer), volleyball, working out, travelling, chess



**Rachel  
Lam**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- Dedicated and growth-oriented individual with strong interpersonal and adaptability skills within fast paced, high pressure environments, proven through academic accolades and promotion within enterprise setting.
- Multifaceted interdisciplinary skillset with inventive perspectives cultivated through research experience and full-time analyst experience in capital markets.
- Proficient critical thinking, analytical skills and technical understanding honed through research and work experience developing analyses in Excel, R, python and SQL.
- Passionate and enthusiastic team player with exemplary leadership and problem-solving skills gained through successfully leading various professional and academic teams.
- Exceptional communication skills developed in roles as an appointed panelist, teaching assistant and mentor.
- Recipient of RBC Team Performance Award (2022), McMaster Provost Honour Roll Medal (2018, 2019, 2021), J.L.W. Gill Prize (2020), Somerville Scholarship (2019).

## **EDUCATION**

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science *with distinction*, Biology and Psychology, Neuroscience and Behaviour, McMaster University, Class of 2021, Dean's Honour List (2017 – 2022)

## **EXPERIENCE AND QUALIFICATIONS**

- Senior Rates Analyst, RBC Capital Markets – Led the rates team in user acceptance (UAT) and regression testing to propose and execute solutions instrumental to the successful implementation of new trading system.
- Rates Analyst, RBC Capital Markets – Calculated effective rates through sourcing market data and liaised with clients and sales to resolve calculation discrepancies.
- Panelist and Mentor, Women's Advisory Program, RBC Capital Markets – Selected as a panelist to impart advice and mentorship to facilitate the career development of undergraduate students.
- Undergraduate Honours Thesis, McMaster University – Developed code in R and python to execute high dimensional data analysis characterizing the expression of pro-inflammatory genes elevated in COVID-19.
- Settlements Analyst Intern, RBC Capital Markets – Posted general ledger entries and led investigations to reconcile unmatched accounting entries through liaisons between clients and sales.

## **PERSONAL INTERESTS**

- Dance, rock climbing, kickboxing, piano, photography and cinema





**Hank  
Lendvoy**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- Accomplished scientific communication and interpersonal skills largely formed by an over-arching career goal to be part of a dynamic, high-value pharmaceutical company devoted to patient centricity and the delivery of transformative advanced therapies.
- Entrepreneurial mindset with fresh, innovative perspectives honed through management education and challenging business projects backed by a track record of successfully finding funding for self-guided scientific studies and research organizations.
- Critical multidisciplinary skillset, bridging science and business, reflected in two highly collaborative Master's programs and increased role responsibility in both Co-op work opportunities.
- Meaningful training and real-world Equity, Diversity and Inclusion experience demonstrated in empowerment consulting with a Vancouver-based start-up accelerator and their global network of mentors, market experts, and advisors.

## **EDUCATION**

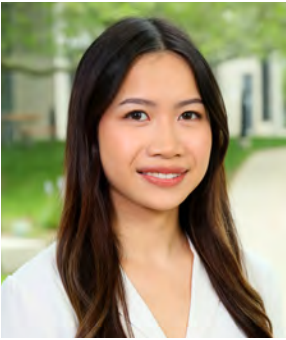
- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Master of Management, UBC Sauder School of Business, Class of 2023
- Bachelor of Science, with Distinction and Co-operative Education, specialization in Microbiology & Immunology, University of British Columbia (UBC), Class of 2023

## **EXPERIENCE AND QUALIFICATIONS**

- Marketing Co-op Employee, Penuvo – Collaborated with dozens of physicians on the positioning of proactive cancer and disease screening and the creation of scientific content extensions from the condition synopses covered by the Penuvo MRI scan which led to a 60% increase in online interaction and traffic.
- Contract Assay Services (CAS) Co-op Employee, STEMCELL Technologies – Audited and carried out laboratory work for prominent academia and industry research organizations while collaborating with Business Operations through prospective client calls and divisional meetings to optimize CAS's support for STEMCELL's high-growth business plan.
- Research Experience Committee Chair, Undergraduate Research Opportunities – Led an energetic awareness and networking campaign by organizing information sessions for hundreds of professors and doctoral students as well as communicating to thousands of students across UBC via social media and in-booth presentations leading to the club's largest and most successful program years to date.

## **PERSONAL INTERESTS**

- Music (listening, not playing), mountains, golf, basketball, British mysteries, Wordle.



**Laura Hui Lin  
Li**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Ambitious, team-oriented individual eager to apply over 3 years of experience in R&D, laboratory, and clinical settings to rewarding and challenging opportunities in the biotechnology industry.
- Diverse research interests in cancer genetics, biomaterials, tissue engineering, and addiction medicine, translating to a co-authored publication in *Frontiers in Bioengineering and Biotechnology* and conference abstract submissions to the Michael G. DeGroot Institute for Pain Research & Care Symposium.
- Demonstrated exceptional leadership qualities through active involvement in extracurricular and community advocacy initiatives.
- Compelling scientific communication and knowledge translation skills, evident through commissioned visual abstracts for high-profile clients, including CanCOVID, Mayo Clinic, and UC Irvine Urology.
- Versatile communicator experienced in multidisciplinary collaboration, having worked closely with biomedical engineers and genetic counsellors during previous co-op placements.

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Health Sciences, Biology & Pharmacology Co-op, McMaster University, Class of 2023; Dean's Honour List (2018-2023), Provost's Honour List (2022-2023)

## EXPERIENCE AND QUALIFICATIONS

- Undergraduate Thesis, Hirota Lab, Firestone Institute for Respiratory Health (FIRH) — Explored the impact of TGF- $\beta$  on myofibroblast activation in an advanced *in vitro* pulmonary fibrosis model based on decellularized human lung ECM hydrogels.
- Research Student, Hirota Lab, FIRH — Collaborated on peer-reviewed publication describing dynamic models of lung health and disease hosted on an open-source device developed in-house for stretching cells and tissues.
- Genetic Counselling Assistant, Juravinski Cancer Centre — Conducted patient interviews and cancer risk assessments before consultations. Managed genetic testing requisitions and surgical referrals.
- Training & Development Coordinator, Student Health Education Centre, McMaster Students Union — Organized and developed live training workshops on peer support, harm reduction, reproductive well-being, and mental wellness for largest health education service on campus with 75+ volunteers.
- Vice President of Marketing, UNICEF McMaster — Spearheaded promotion efforts to raise over \$3,000 supporting UNICEF initiatives. Organized and moderated global health panel with 100+ attendees.

## PERSONAL INTERESTS

- Fostering cats, aerial sports, pilates, hiking, cooking, graphic design, travelling



**Rini  
Lukose**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Highly driven and flexible individual, consistently seeking new challenges and learning opportunities
- Excellent time management, organization, and strong work ethic demonstrated through years of balancing work and volunteering commitments while maintaining high academic standing
- A reliable team player with the ability to thrive in both individual and collaborative settings while completing tasks within high-pressure work environments
- Skilled in effectively communicating with diverse groups across different settings and proficient in delivering engaging oral presentations leveraging the utilization of tools such as Tableau and Microsoft Office.
- Proven problem-solving and analytical aptitude, proficiency in the R programming language has been self-acquired to analyze complex datasets in a user-friendly format. Two associated publications are in progress

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Master of Health Science, Medical Physiology, University of Toronto, Class of 2022
- Honours Bachelor of Science with High Distinction, Biology for Health Sciences, Chemistry, and Biomedical Communications, University of Toronto, Class of 2021; Dean's List Scholar (2017-2021)

## EXPERIENCE AND QUALIFICATIONS

- Web Application Developer, University of Toronto - Applied R-programming skills to analyze and present clinical datasets displaying single-cell RNA-sequencing of individual cell types in the human placenta in an interactive format, while managing the project, collecting feedback, and delivering timely updates
- COVID Laboratory, Halton Healthcare – Support COVID-19 specimen testing and documentation using medical databases, while aiding operational tasks and communicating with laboratory technicians
- Graduate Student, University of Toronto – Successfully formulated an artificial butyrylcholinesterase inhibitor for Alzheimer's, earning "People's Choice Award" for top business pitch and written business plan in the cohort
- Instructional Assistant, University of Toronto - Support the instructional team to teach laboratory concepts and R-programming, helping students apply their knowledge and earning a teaching-excellence nomination
- Research Assistant, University of Toronto – Collaborated with instructors and student-researchers to advance undergraduate science education, employing surveys and focus-groups for student feedback.
- ER Volunteer Trainer, Credit Valley Hospital – Liaised with staff as the initial point of contact, skillfully directing patients based on priority while upholding confidentiality

## PERSONAL INTERESTS

- Backpacking, Design, Recreational Coding, Teaching, Pop Culture



**Thomas  
Luong**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Demonstrated an unwavering ability to overcome challenges which have developed an extensive skill set conducive to success.
- Exceptional scientific communicational ability developed from presenting at large scientific conferences, writing compelling research proposals to earn two master's scholarships, successfully defending a master's and undergraduate thesis project, and running third-year biology laboratory seminars as a teaching assistant.
- Proven leadership and teamwork skills through impactful research collaborations, as well as volunteering and mentorship roles in healthcare, sport, and retail.
- Developed robust problem-solving skills through five years of research experience that is adaptable beyond academia.
- Collaborated with another research group to second author a published paper in PLOS.
- NSERC Canada Graduate Scholarships – Master's (2020)
- Ontario Graduate Scholarship (2021)
- Extensive tennis coaching and mentorship experience have resulted in the cultivation of highly effective interpersonal skills.

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Master of Science, Biology, York University, Class of 2023
- Honours Bachelor of Science, Biomedical Science, York University, Class of 2019

## EXPERIENCE AND QUALIFICATIONS

- Master's Research Thesis, Paluzzi lab – Characterized a novel insect neuropeptide in the mosquito disease vector, *Aedes aegypti*, with implications in global pest control, and presented findings at multiple conferences for other scientists.
- Undergraduate Honours Thesis, Paluzzi lab – Investigated the ability of *Aedes aegypti* to survive and propagate in diverse environments by the physiological actions of an insect neuropeptide family.
- Teaching Assistant, York University – Lead hundreds of students in teaching labs by discussing theory and demonstrating various research methodologies.
- Volunteer, Princess Margaret Hospital – Collaborated with a network of healthcare professionals to assist with the growth of hospital services and implemented new forms of communication between professionals and patients.

## PERSONAL INTERESTS

- Tennis, Architecture, Travel, Cars



**Kayla Jean Ri  
MacAskill**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- Detail-oriented, quick-learning, and compassionate individual with the ability to adapt and thrive in diverse environments, previously demonstrated in customer service, academics, sales, charity organization, and teaching.
- A personable, highly-motivated leader with 10+ years of experience leading teams ranging from 5-75 people.
- Confident in oral communication, with multiple experiences speaking to groups of 500+ people.
- Excellent organizational and time-management skills demonstrated through balancing two part-time jobs, extracurriculars, and volunteering while maintaining academic excellence throughout undergraduate studies.
- Experience collaborating to analyze research, consult data, and critically think through novel problems in a team setting by completing many Problem-Based-Learning courses at McMaster University.
- Recipient of the Ontario Impact Award from the Canadian Cancer Society for contributions to community youth leadership (2019), the Tay Scholarship for Community Service (2019), and McMaster President's Award (2019)

## **EDUCATION**

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Health Sciences in Biochemistry, McMaster University, Class of 2023– Deans' Honour List (2019-2023)
- Concurrent Certificate in Immunology, Microbiology, & Virology (IMV), McMaster University (2023)

## **EXPERIENCE AND QUALIFICATIONS**

- Receptionist for a Family Practitioner– Provided accurate upkeep of patient documentation; managed appointments, referrals & administrative needs and maintained a respectful & professional demeanour.
- Volunteer for the Canadian Cancer Society– Led a team as Co-President of the McMaster Relay for Life committee in organizing two charity events that fundraised \$100,000+ for cancer research, support and awareness.
- Mathematics Tutor– Scheduled and hosted tutoring sessions for elementary and high school students. Created personalized lesson plans & homework to consolidate knowledge for students.
- Product Reviewer for the IMPACT Initiative– Provided scientific advice to engineers to aid in designing customized devices that help clients with activities critical to their health to improve their quality of life.
- Faculty of Science Representative– Mentored incoming first-year science students at McMaster Welcome Week. Worked with a team of 150+ people to provide a welcoming and inclusive experience.

## **PERSONAL INTERESTS**

- Dance, skiing, baking, gardening, music



**Ashwin John  
Mathews**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- Strong analytical and critical thinking skills developed through two years of research experience working on overlapping academic and industry-linked research projects in allergy immunotherapy and drug delivery systems.
- Excellent interpersonal communication skills gained through extensive volunteering work with community outreach programs, coordinating between management, community members, and financial sponsors.
- Motivated and enterprising worker – worked to independently create comprehensive curricula for literacy programs to encourage positive learning habits and creative work in students.
- Tenacity and adaptability gained through extensive work experience working on start-up projects and endeavours, learning to work through unfamiliar and challenging problems and shifting team environments.
- Recipient of various competitive awards, including an NSERC Undergraduate Student Research Award (USRA), Life Science Ontario Scholarship, BioTalent Student Funding (2021, 2022), McMaster Dean's Honours List (2018-2023).

## **EDUCATION**

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Health Sciences, Biology and Pharmacology CO-OP, McMaster University, Class of 2023 – Dean's Honour List (2018-2023)

## **EXPERIENCE AND QUALIFICATIONS**

- Research Assistant Co-op Student, Larché Lab – Investigated the development of immune responses in mouse models for autoimmune disorders. Responsible for conducting experimental work, designing analytical frameworks, interpreting results, and communicating results between multiple teams.
- Honours Thesis Student, Larché Lab – Designed and conducted several experiments to investigate changes in immune cell chemotaxis in a mouse model for cat allergy based on the mode of sensitization
- Youth Counselor, Inner-City Outreach Ministry – Worked as a senior counsellor in a neighbourhood after-school program designed to provide a safe and positive environment for at-risk youth in Hamilton's North End neighbourhood. Coordinated group activities, mediated conflicts between youth and other staff,
- Literacy Tutor, Learning Disabilities Association of Hamilton-Halton – Worked individually with multiple students with various learning disabilities to build literacy and fluency skills by working through individualized curricula for each student.

## **PERSONAL INTERESTS**

- Boardgames, Rock-climbing, Hiking, Reading, (British) Game Shows





**Savan  
Mathur**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- Proficient oral and written communication skills shown when undergoing large-scale sales operations tasks
- Demonstrated empathy, emotional intelligence, and confidentiality by listening and recognizing emotions from hundreds of online chat users to provide professional mental health support
- A focused and dedicated individual who will provide high-quality work within dynamic group environments
- Excellent interpersonal skills capable of forming strong and meaningful connections with individuals from diverse backgrounds and expertise
- Highly driven and self-motivated individual committed to constantly learning and challenging myself to find success in my work and personal life

## **EDUCATION**

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Health Sciences, Biochemistry, McMaster University, Class of 2023, Dean's Honour List (2019-2023)

## **EXPERIENCE AND QUALIFICATIONS**

- National Sales Office Operations Intern, Deloitte Canada - Communicated, relayed, and analyzed information needed to schedule multiple Sales reviews, discussions, and approvals across the Sales Cycle. Discovered, analyzed, and interpreted possible Sales opportunities Deloitte could support with its resources to ensure efficient sales support. Decoded employee user data within the Centralized Sales System on the Cloud and synthesized interviews to implement improvements.
- Consulting Intern, Deloitte Canada - Supported the development of materials for multiple Global Partner meetings. Assisted client teams through coordination and taking minutes for Global Team meetings.
- Certified Listener Volunteer, Certified Listeners Society - Provided immediate and confidential emotional chat support using stringent procedures, policies, and guidelines. Empowered, guided, and listened intently to countless daily struggles from chatters around the world to provide a free emotional support service that everyone can benefit from.

## **PERSONAL INTERESTS**

- Basketball, Hiking, Soccer, Music, Travel, Swimming



**Tony  
Mei**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Enthusiastic and team-oriented individual with a cumulative 2-year experience in pharmaceutical manufacturing and early-stage R&D.
- Strong time-management and organizational skills, demonstrated by successfully balancing multiple projects and deadlines in the academic and professional environment.
- Excellent oral and written communication, acquired by conducting poster presentations, manuscript editing, and updating SOPs according to CAPA and CCR requirements.
- Exceptional adaptability in a fast-paced environment, sharpened through my professional experience in research, the manufacturing industry, and the service industry.
- Strong analytical, troubleshooting, and problem-solving skills, demonstrated throughout my undergraduate thesis experience.

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science with High Distinction, Specialization in Pharmacology and Biomedical Toxicology, University of Toronto, Class of 2023
- Dean's List Scholar (2018-2023)

## EXPERIENCE AND QUALIFICATIONS

- Co-Op Student, DTPPD Bulk Manufacturing, Sanofi Pasteur — Exhibited collaborative skills by leading daily and weekly +QDCI meetings for the bulk manufacturing department, integrating updates from several supporting functions. Demonstrated initiative by overseeing regular shop floor oversight meetings, CAPA milestone checkpoints, and organizing monthly/quarterly performance reviews throughout 2021-2022.
- Research Student, Structural Genomics Consortium, University of Toronto — Displayed laboratory skills by developing 2 cellular assays for 5 different DCAF12 protein constructs to aid in the development and structural analysis of novel PROTACs.
- Financial Director, Pharmacology & Toxicology Students' Association, University of Toronto — Drafted club budget and arranged 10+ events for the school year in accordance with our funding. Cooperated with 5 other medical science clubs to organize 2 large-scale student events.
- Innis College Council Member, University of Toronto — Demonstrated teamwork and decision-making skills by reviewing 60+ scholarship applications and multiple non-academic services on the Student Affairs Board alongside elected students and staff.

## PERSONAL INTERESTS

- Volleyball, cooking, baking, travelling, video games





**Lauren  
Michelberger**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- Positive and highly self-motivated individual who continually seeks to learn new skills and enhance knowledge while supporting others.
- Quick learner with a growth-oriented mindset and the exceptional ability to work independently or within a group environment as developed through various athletic, academic, and professional teams.
- Strong communication, collaboration and leadership skills demonstrated through the role of varsity cheerleading team captain.
- Quick critical thinking, strong problem-solving, and excellent interpersonal skills exemplified by roles as program supervisor, F45 trainer, and varsity team captain alongside academic research experience.
- Strong work ethic, exceptional time management & outstanding organizational skills honed by balancing a rigorous schedule as a concurrent varsity athlete and full-time student while achieving Dean's Honour Roll.
- Recipient of Alumni Cup (2021), Bethany Yan Memorial Award (2021), Most Improved Athlete (2018), and Academic All-Star (2017-2021).

## **EDUCATION**

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science *with Distinction*, Specialization in Biochemistry, Queen's University, Class of 2021, Dean's Honour Roll (2017-2021)

## **EXPERIENCE AND QUALIFICATIONS**

- Program Supervisor, Kids Supergym Aurora – Managed all recreational coaches, strategically planned various camps and programs, and ensured excellent customer service.
- Certified Personal Trainer, Captain, F45 Aurora – Led pre-determined workouts while working effectively to motivate and ensure safety to all clients
- Varsity Cheerleading Team Captain, Queen's University – Executed various organizational and administrative tasks such as scheduling meetings, leading team workouts, and aiding coaches with planning practices following COVID-19 guidelines while fostering a positive environment.
- Undergraduate Thesis Student, Mueller laboratory, Queen's University – Completed formal literature review and thesis report involving a DNA methylation-based liquid biopsy for early detection and immunotherapy in NSCLC.
- Varsity Leadership Council Member, Queen's University – collaborated with varsity athletes to promote a positive student-athlete experience and establish relationships with the Kingston community through volunteer and outreach programs.

## **PERSONAL INTERESTS**

- Gymnastics, cheerleading, coaching children, personal fitness, music, traveling, dogs and food.



**Muhammad  
Muhammad**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Highly self-motivated individual with excellent leadership skills, exemplified by founding multiple companies, holding vice-president and executive positions in student-run clubs, and serving in leadership positions for charitable organizations
- Exceptional interpersonal and communication skills acquired through positions where clear communication was crucial with co-workers, customers, companies, parents, children, professors, and students, while maintaining a high level of professionalism
- Strong time-management and organizational skills demonstrated by maintaining a high cGPA while concurrently holding executive positions in multiple clubs, volunteering for non-profitable organizations, and running my own business
- 2+ years of marketing and advertising experience acquired through working as a digital marketing intern and account manager at BigGorillaApps, and from being a marketing executive at YLPHM and Enactus

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science with High Distinctions, Molecular Biology Specialist, Chemistry Minor, University of Toronto, Class of 2022, Dean's Honour Roll (2018-2022)

## EXPERIENCE AND QUALIFICATIONS

- Research Assistant, Dillon Lab, University of Toronto Mississauga – Conducted computational analyses to identify and elucidate the presence of over 70 integrative and conjugative elements (ICEs) and 110 integrative and mobilizable elements (IMEs) in 107 strains of *Xanthomonas campestris*, a scientifically and economically relevant plant pathogen
- Founder, ResearchExplained – Established an organization that produces educational videos on fitness topics for the general public. Utilized peer-reviewed scientific research to explain complex information in a clear and concise manner. Videos currently receive 40,000+ monthly views
- Account Manager, BigGorillaApps – Acted as the primary point of contact between multiple clients and the agency. Developed and delivered presentations to clients, quantifying the effectiveness of marketing strategies by tracking KPIs and analyzing relevant metrics
- Digital Marketing Intern, BigGorillaApps – Created and autonomously managed various marketing campaigns, including the implementation of social media, email marketing, SEO strategies, and advertising campaigns

## PERSONAL INTERESTS

- Personal fitness, entrepreneurship, content creation, theology



**Gretta  
Olivares**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- MBiotech Class of 2025 Junior Representative for the Institute for Management & Innovation UTM Graduate Student Committee.
- Goal-oriented, reliable and resilient leader who implements innovative problem-solving skills to foster adaptability developed through professional and academic experience.
- Excellent scientific literacy to accurately provide knowledge mobilization and translation of scientific information to stakeholders of diverse backgrounds, as well as a keen eye for detail fostered through preparing major reports and presentations.
- Cross functional interpersonal skills that create collaborative, efficient and positive work environments while maintaining professionalism in leadership and team positions.
- Exceptional project and time management skills through balancing a full course load with consistent Dean's Honours List standing while managing a Tutoring and Camp program.
- College of Biological Science Dean's Scholarship and Hagen Undergraduate Scholarship Award recipient.
- Bilingual: fluent proficiency in English and Spanish.

## **EDUCATION**

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Sciences, Major: Bio-Medical Science, Minor: Nutritional and Nutraceutical Sciences, University of Guelph, Class of 2022. Dean's Honours List (2018-2022). One Health Certificate (2021).

## **EXPERIENCE AND QUALIFICATIONS**

- Program Manager: Canada Learning Bond, Ontario Learning Development Foundation – Managed the Nation-Wide outreach program increasing understanding and enrolment for RESPs and the Canada Learning Bond. Instrumental in marketing to increase Webinar sign-ups by 60%.
- Program Director: Tutoring Education and Summer Camp, Ontario Learning Development Foundation – Successfully created and managed the Homework Club and Virtual Summer Camp Program for over 500 Kindergarten- Gr.12 students. Participated in the hiring and onboarding of 21 tutors and 40 counsellors.
- Customer Service Associate, La Maison Simons – Efficiently determined customer needs and utilized interpersonal skills to ensure excellent customer service.
- Studied Human Health and Molecular Biology – Knowledge of medical terminology and biological processes obtained through courses of: Biotechnology, Human Anatomy, Cardiology, Endocrinology, Immunology, Pathology and Pharmacology.

## **PERSONAL INTERESTS**

- Travelling, nutrition, hiking, music, painting, photography, fashion.



**Nidhi  
Parikh**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Highly motivated individual who is eager to learn, adapt and succeed in dynamic environments.
- Effective scientific written, and verbal communication skills developed through conducting literature reviews of publications, research seminar presentations during undergraduate studies.
- Demonstrated proficiency in statistical software, including R Studio, SAS and Excel, to analyze and communicate data results from scientific literature and case studies.
- Proven to thrive in a fast-paced work environment displaying strong problem-solving skills and analytical mindset acquired through the role of EPIC – health information systems specialist.
- Excellent teamwork and interpersonal skills cultivated through academic engagements and professional interdisciplinary team settings.
- Exemplary time management and organizational skills honed through balancing full-time undergraduate studies, part-time healthcare job, extracurricular activities, and community involvement.
- Multilingual proficiency in English, Hindi, and Gujarati.

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honors Bachelor of Science, with Distinction, Major in Biology, Toronto Metropolitan University, Class of 2023 – Dean’s Honors List (2019–2023)

## EXPERIENCE AND QUALIFICATIONS

- Research Practicum Student, Toronto Metropolitan University – Collaborated with the research team to perform preliminary data analyses, on 200+ open-ended survey responses investigating inequalities underrepresented groups face when seeking academic help and addressing the fear of failure in marginalized undergraduate populations.
- Co-President, Founder of TMU HOSA (Health Occupations Students of America) – Led a team of 10+ executives to establish the first HOSA chapter at TMU. Facilitated leadership and networking experiences for students aspiring to be future healthcare professionals, promoting student engagement.
- Medical Records Coordinator, Cleveland Clinic Canada – Supported clinic operations by ensuring patients’ records were up to par with compliance and regulation standards, increasing workplace productivity. Liaised with healthcare providers to fulfill records requests and review confidential documents.
- OneTHP EPIC (IT) Implementation Specialist, Mississauga Hospital – Assisted doctors and interdisciplinary staff by providing one-on-one support to navigate the hospital information system and accessing patients’ medical charts, whilst respecting patient confidentiality.

## PERSONAL INTERESTS

- Reading, biking, badminton, watching NBA and swimming.



**Jaimini  
Patel**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Entrepreneurial, adaptable, and innovative individual with exceptional interpersonal skills who thrives in diverse environments.
- Excellent leadership and teamwork skills exemplified through strong working relationships with individuals and strengthened by mentoring-based extra-curriculars.
- Highly proficient critical thinking and creative problem-solving skills acquired during independent research projects and highly dynamic work environments.
- Articulate verbal and written science communicator, as demonstrated through conference presentations, scientific report writing, and company project pitch competitions.
- Exceptional time management and organizational skills exhibited through balancing schoolwork, volunteer commitments, part-time work, and personal obligations while maintaining Dean's Honour Roll.
- Recipient of: AMGEN Canada Fellowship in Biotechnology (2023); McMaster Jensen Medal (2023) for community excellence; McMaster Science Co-op Student of the Year (2023); Stephen F. H. Threlkeld Community Contribution Award (2022).

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Health Sciences, with distinction, in Biology & Pharmacology (Co-op), Minor in Statistics, McMaster University, Class of 2023

## EXPERIENCE AND QUALIFICATIONS

- Undergraduate Thesis, Child Health Exercise Medicine Program – Identified and analyzed the significance of arterial movement on the cardiovascular health of children with a chronic inflammatory condition.
- Radiation Health Research Assistant, Canadian Space Agency – Validated and pitched novel high-throughput radiation bio-monitoring program involving imaging flow cytometry and data analysis.
- Research Assistant, Healthcare Systems Research & Analysis – Conducted systematic literature reviews and researched medical device approval through Health Canada, FDA, and patent processes.
- President, McMaster Biology and Pharmacology Society – Organized hybrid mentorship program and social events to encourage 50+ students in their academic and professional development.
- Teaching Awards Volunteer, McMaster Students Union – Communicated with professors, teaching assistants, and students to bridge the gap between pedagogical research and implementation.

## PERSONAL INTERESTS

- Playing sports, hiking, graphic design, reading, gardening, and cooking.



**Roxana Ruiz  
Arduengo**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Enthusiastic, detail-oriented quick learner that strives for excellence as demonstrated through outstanding feedback in diverse academic and professional experiences.
- Excellent critical thinking and analytical skills developed through 1.5+ years of wet lab research experiences and 1.5+ years of data analysis roles.
- Effective time and project management skills developed through balancing academic coursework, work duties including leading multiple projects, and extracurriculars.
- Strong collaboration and interpersonal skills in high-pressure environments developed by 6+ years of professional teamwork experience and 4+ years of customer service experience.
- Proficient with Microsoft Excel, Python, Structured Query Language (SQL) and SAP SD.
- Recipient of the Co-op Student of the Year Runner-Up Award (2023), Life Sciences Ontario Scholarship (2022), University Senate Scholarship (2022), John and Helen Maxwell Scholarship (2020), Klaus Fritze Memorial Prize (2020), and McMaster President's Award (2018).

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science, Chemical Biology Co-op, McMaster University, Class of 2023 – Dean's Honour List (2018-2023)

## EXPERIENCE AND QUALIFICATIONS

- Pricing Operations Intern, STEMCELL Technologies – Conducted in-depth analysis of current workflows and developed/implemented automated processes using Python to identify pricing errors, improve efficiency, and increase revenue generation.
- Undergraduate Thesis Student, Bujold Lab, McMaster University – Synthesized, purified, and characterized protein spherical nucleic acids for the application of DNA nanotechnology-enabled drug delivery.
- Research Student, Forman-Kay Lab, The Hospital for Sick Children – Developed an early-stage drug assay to analyze interactions between small molecules and oncoprotein EWS-FLI1.
- Peer Tutor, McMaster University – Provided guidance/support to students, delivered lectures, and aided professors in grading assignments focused on understanding and critically assessing academic research papers.
- Co-op Ambassador and Advisory Committee Member, McMaster University – Served as a liaison between science co-op students and the Science Career and Co-op Education office to set regulations/protections regarding co-op students and implement programs to assist them.

## PERSONAL INTERESTS

- Formula 1, reading, travelling, hiking, theatre and board games.





**Fathema  
Shaikh**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- Highly driven and dedicated individual with a constant desire for personal and professional growth, as well as a proven ability to work well independently and in teams.
- Remarkable aptitude for leadership and strong troubleshooting skills gained through successfully facilitating several group projects and teams both in professional and community settings.
- Exceptional time management abilities cultivated through being a part of high-pressure and high-stress environments including varsity basketball, university clubs and rigorous academic demand.
- Enthusiastic and outgoing with exceptional interpersonal and social skills acquired through various ambassador roles, and being a founder of the Women's Multi-Sport League Intramurals at UTM.
- Recipient of the Amgen Fellowship in Biotechnology Award (2023), James J. Rae-Women's Athlete of the Year Award (2023), Principal's Award of Excellence in Student Leadership (2023), and Ontario Colleges Athletic Association All-Academic Award (2020).

## **EDUCATION**

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science, with High Distinction, specialization in Biology, University of Toronto, Class of 2023 – Dean's Honour List (2019-2023)

## **EXPERIENCE AND QUALIFICATIONS**

- Medical First Responder, Erindale College Special Response Team- Promptly assessed and treated patients under fast-paced and high-pressure environments when responding to on-campus medical emergencies. Maintained professionalism to ensure patient safety and accurate record-keeping.
- Sport Inclusion Ambassador, UTM- Led a transformative initiative to create an inclusive environment within the athletic department, advocating the needs of female-identifying students. Demonstrated exceptional leadership and facilitation skills through strategic planning of campus-wide events and pioneering a Women's Multi-Sport League.
- Undergraduate Researcher, RCSI University of Medicine and Health Sciences, - Demonstrated a keen eye for detail and critical thinking skills while meticulously analyzing literature to inform manuscript development. Effectively synthesized diverse sources and surgeon feedback to enhance the quality and accuracy of the published article.
- Student Ambassador, UTM- Planned and led campus-wide events while embodying university values. Developed strong business and interpersonal skills while maintaining discretion in calls and professionalism in emails from a diverse range of applicants.

## **PERSONAL INTERESTS**

- Basketball, Photography, Ice Skating, Harry Potter, Travelling



**Mahla  
Sheibani**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Driven, ambitious and adaptable individual who eagerly seeks new challenges and opportunities for growth in fast paced and novel environments.
- Effective science communicator with a strong interdisciplinary background obtained through experience as an Instructional Assistant in various fields (Chemistry, Biology, Kinesiology and Health Sciences).
- Excellent leadership and teamwork skills exemplified by completing team-based work in research, academic and professional settings.
- Outstanding presentation and public speaking abilities demonstrated by leading lectures, pre-lab talks and presenting at various conferences.
- Recipient of several merit based scholarships totalling to over \$30,000 including the President's Gold Scholarship, Mike Belanger Residence Life Scholarship, Jonah Lowy Memorial Scholarship in Health Sciences and the Cosmetic Surgery Clinic of Waterloo Achievement Scholarship.
- Fluent in English and Farsi.

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science with High Distinction, Major in Health Sciences- Wilfrid Laurier University, Class of 2023, Dean's Honour Roll (2019-2023)

## EXPERIENCE AND QUALIFICATIONS

- Undergraduate Honours Thesis, Lab of Computational consequences- Exemplified project management, adaptability and critical thinking in using bioinformatics to develop a new method of identifying molecular transporters in the human proteome by comparison of three dimensional structures. Presented findings in the FOSSA Undergraduate Research Conference.
- Vaccination Clinic Manager and Pharmacy Co-op Student, Guildview Pharmacy- Responsible for hiring, training and managing clinic staff to optimize operations of the pharmacy.
- Physiology Instructional Assistant, Wilfrid Laurier University- Led pre-lab talks and supported students in using laboratory equipment and conducting analysis on their data and lab reports.
- Health Sciences Instructional Assistant, Wilfrid Laurier University- Responsible for hosting extra lectures and meetings to explain key course theories including individual and community related health issues and provide feedback in student assessments
- Chemistry Instructional Assistant, Wilfrid Laurier University- Organized and supervised first and second year wet laboratory sessions to maximize student comprehension of fundamental concepts

## PERSONAL INTERESTS

- Travelling, skiing, swimming, photography and fostering animals





**Ali  
Siddiqui**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Self-motivated, driven, and dependable team player who is highly adaptable to tight deadlines, pivoting priorities in a fast-paced environment.
- Robust business acumen exemplified through developing a commercialization strategy for a Biotech Startup, identifying challenges and barriers to success.
- Proactive leader, able to motivate teams and delegate tasks, displayed through leading a market validation study for a Biotech Startup as a Project Coordinator.
- Effective science communicator with keen eye for detail, proven through four authored publications and numerous conference presentations.
- Strong academic foundation in drug development with focus on commercialization including marketing, drug manufacturing, and patent regulation. Exercised through pitching a novel point-of-care diagnostic tool for Ovarian Cancer.

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Health Science, Biomedical Discovery and Commercialization (BDC), McMaster University, Class of 2023 – Dean's Honors List, Provost Honour Roll, University (Senate) Scholarship

## EXPERIENCE AND QUALIFICATIONS

- Student Consultant, VIBRAINT Biotech – Developed comprehensive commercialization plan for stroke rehabilitation device. Improved distribution channels, reimbursement and marketing strategies, pricing and promotion plans, and outlined timeline for launch.
- Project Coordinator, VIBRAINT Biotech – Spearheaded market validation study for medical device's pricing and positioning. Generated insights on customer needs, competitor landscape, and market trends. Produced twice the data collected from previous years.
- Research Assistant, McMaster Sports Medicine – Assessed clinical outcomes and complications of ligament reconstruction techniques, producing four journal publications.
- Honours Thesis, Pathology and Molecular Medicine – Identified and characterized a novel Antithrombin-binding RNA aptamer. Displayed mastery of lab techniques, GraphPad, PowerBI, Tableau, and Excel.
- Gym equipment business – Liaised with overseas vendors, delivered products on time, developed trust with clientele, and triaged customer complaints. Developed comprehensive sales expertise and effective marketing strategies.

## PERSONAL INTERESTS

- Jazz musician of 10 years, Fencing, Formula 1, Running, Tennis, Boxing, Sign Language



**Issraa  
Suliman**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Solid analytical and research experience obtained through working as a lab technician and assisting multiple professors in various preclinical and clinical research projects.
- Exceptional written communication skills demonstrated through my authoring contributions to a research paper submitted under review to the ATVB journal.
- Well-established critical thinking, problem-solving and team player skills developed through completion of various research projects and case-based learning courses in undergraduate and graduate studies achieving A+ grades.
- Strong interpersonal and leadership skills demonstrated through various roles in academia, research, retail positions and extracurricular activities.
- Well-developed presentation skills with a strong ability to relay information to cross-functional teams with different technical and academic backgrounds.
- Recipient of Merck Frosst Scholarship (2023), TMM WiBR Scholarship (2021), uOGlobal Recognition Scholarship (2020-2022).

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science in Translational and Molecular Medicine, Summa Cum Laude, University of Ottawa, Class 2022

## EXPERIENCE AND QUALIFICATIONS

- Lab Technician, University of Ottawa Heart Institute – Responsible for procurement and tracking of animal subjects, trained new lab members, executed projects within the predetermined timelines, performed various surgeries on rodents, and coordinated inventory.
- Undergraduate Thesis Student, University of Ottawa – Identified disruptive pathway in aged macrophage foam cells that contributes to atherosclerosis where I received 1st Place Presenter Award at Connecting Young Minds Conference 2021.
- Research Assistant, Stem Cell Laboratory at Ottawa Hospital Research Institute – Investigated Wnt7a gene in mdx mice models through sectioning, immunostaining and imaging murine muscle tissues. I also contributed to writing research grant proposals and supported other lab members conduct experimental analysis on various projects.
- Research Assistant, Nano-biotechnology Laboratory at Carleton University – Developed techniques to detect mycotoxins in crop samples utilizing aptamers and gold nanoparticles.

## PERSONAL INTERESTS

- Ultimate frisbee, cycling, hiking, photography and traveling.



**Lauren  
Tabunar**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Established predictive health outcome strategy research through close, collaborative work with patients and a variety of shareholder groups from scientific experts to C-level executives in fast-paced, high-pressure environments.
- Proficient analytical and critical thinking skills obtained through extensive professional and academic research experience.
- Exceptional verbal and communication skills demonstrated through delivering effective presentations of complex scientific ideas to diverse audiences regarding co-authorship publications that have gathered industry interest.
- Adept in professional and medical ethics with extensive experience in end-of-life care providing both healthcare assistance and emotional support to patients and families.
- Excellent time-management and organizational skills exemplified by completing academic work while simultaneously balancing multiple research projects, TAing, and extracurriculars.
- Native proficiency in English and French.

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025; Class Representative
- Honours Bachelor of Science with High Distinction, Specialist in Molecular Biology and Minor in Chemistry, Class of 2023, Dean's List Scholar

## EXPERIENCE AND QUALIFICATIONS

- Research Assistant, McGill Refractive Surgery Unit – Refractive surgery-related projects (e.g. LASIK, PRK, CXL and IOL) aiming to improve surgical outcomes and minimize patient risk.
- Independent Research Student, Prosser Lab – Developed a novel method for generating protein with heavy isotope enriched tryptophan to probe for exotic NMR experiments using anthranilic acid derivatives.
- Teaching Assistant, Chemistry, University of Toronto – Developed and instructed lecture tutorials. Guided students through wet-lab techniques and assisted in grading.
- Surgical Assistant and Consultant, Lasik MD – Worked in and out of the OR assisting surgeons in over 3000 ocular procedures. Led pre- and post-operative diagnostics, patient care, and patient directory.
- EDI Committee member, University of Toronto – Led committee meetings to promote Equity, Diversity, and Inclusion by providing departmental policies with an EDI lens.

## PERSONAL INTERESTS

- Skiing, weight training, golf, health and wellness, reading, fashion, travel.



**Leslie  
Tan**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Exceptional interpersonal skills with the ability to articulate complex ideas in a clear and concise manner while building and fostering strong professional relationships.
- Established a collaborative mindset alongside problem-solving and critical thinking skills through undergraduate and graduate problem-based learning courses.
- Proven leadership ability when providing guidance to various academic, professional, and extracurricular teams with meticulous attention to detail and establishing clear goals
- Highly driven and resilient team-player that seeks challenges and strives for improvements as evidenced through various research experiences and internships.
- Proactively committed to self-guided learning to stay updated with industry trends.
- Efficiently allocating and prioritizing time, tasks, and resources to maximize productivity and meet deadlines within fast-paced academic and professional environments.

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Health Science, Biology & Pharmacology Co-op, McMaster University, Class of 2023; Dean's Honour List (2018-2023)

## EXPERIENCE AND QUALIFICATIONS

- Undergraduate Thesis, Dr. Manali Mukherjee, St. Joseph's Healthcare Hamilton – Developed and validated an in vitro airway model that mimicked the production of mucous observed in severe asthmatics using Calu-3 air-liquid interface cell cultures.
- Laboratory Technician, Dr. Jonathan Bramson, McMaster University – Processed blood samples into PBMCs and serum from patients inoculated with COVID-19 vaccines to determine the immune response and vaccine efficacy in older adults. Adhered to the Good Clinical Laboratory Practice guidelines.
- Research Student, Dr. Manali Mukherjee, St. Joseph's Healthcare Hamilton – Ran Antinuclear Antibody Line Immunoassays and antineutrophil cytoplasmic antibodies tests for COVID-19 patients.
- Vice President of Administration, McMaster Biology and Pharmacology Society – Oversaw the administrative, marketing, and planning of events and activities while collaborating with the Program Director and President. Hosted and organized information nights and lectureships to facilitate the academic development of undergraduate students.

## PERSONAL INTERESTS

- Running, bouldering, playing and teaching piano, learning new languages, trying new foods, and travelling.



**Haya  
Tawfik**

**BIOPHARMA**

## **SUMMARY OF SKILLS AND ACHIEVEMENTS**

- Proactive and highly motivated team player with a strong commitment to continuous learning and personal development.
- Analytical and goal driven mindset cultivated through 2+ years of research experience in molecular biology and pharmacology.
- Effective problem solver, tackling over a dozen real-world business cases under the Ivey Business Foundations course to develop data driven decisions and strategies.
- Exceptional interpersonal skills developed through 3+ years working in healthcare settings, ensuring confidentiality and professionalism in high-pressured environments.
- Strong written and presentation skills honed through active engagement in weekly lab committee meetings and delivering well-crafted written reports to faculty members.
- Western Scholarship of Excellence, Dean's Honour List
- Bilingual: English and Arabic

## **EDUCATION**

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honors Bachelor of Medical Sciences with distinction; double major in Pharmacology and Interdisciplinary Medical Sciences, Western University, Class of 2023

## **EXPERIENCE AND QUALIFICATIONS**

- Vice President of Events, Project Sunshine – Led a team to establish fundraising strategies for Project Sunshine Canada in support of pediatric patients, resulting in the collection of over \$3,000 to date that will be used to support various recreational activities in hospitals.
- Lab Research Assistant, Western University – Collaborated with a team of students to explore the expression of galectin-12 protein in human breast cancer cells, earning personal acknowledgement in a published paper in the MDPI Journal.
- Senior Tax Analyst, University Student Council Income Tax clinic – Provided step-by-step guidance to university students and community members, facilitating their tax filing process and ensuring compliance.
- Pharmacy Assistant – Provided exceptional customer service by effectively addressing patient needs. Maintained organized work area and inventory management, enhancing overall pharmacy functionality.
- Alzheimer's Society Volunteer – Implemented numerous innovative strategies to support individuals and families affected by Alzheimer's disease, resulting in improved socialization and overall well-being.

## **PERSONAL INTERESTS**

- Pottery making, cooking, travelling, and volunteering.



**Travis  
Wang**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Passionate and highly motivated individual, eager to seek opportunities for personal growth whilst fostering a positive and supportive professional environment.
- Extensive technical foundation through 3+ years of molecular biology research evidencing problem-solving, critical thinking skills, and 3 co-authored journal publications.
- Effective science and commercial communication skills gained through experience liaising with patients, healthcare professionals and medical representatives.
- Phenomenal organization and time management skills cultivated through successful planning of numerous research projects with competing deadlines.
- Bilingual: English and Mandarin.
- Recipient of the Bruce Sells Medal of Academic Excellence (2022) – Awarded to a graduating student with the highest cumulative average in Honours Biological Sciences.
- Recipient of the SickKids Lunenfeld Summer Studentship (2021) – Awarded to a Research Summer Student based on academic merit.

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science, Biological Sciences, University of Guelph, Class of 2022, Dean's Honours List (2018-2022)

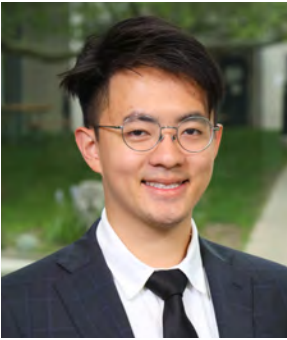
## EXPERIENCE AND QUALIFICATIONS

- SickKids Research Lab Technician, Pearson Lab – Planned and conducted experiments to investigate a DNA repair nuclease (FAN1) heavily linked to neurodegenerative disorders such as Huntington's Disease.
- SickKids Research Assistant, Minassian Lab – Conducted experiments to study the pathophysiology of Lafora Disease, a lethal epileptic neurodegenerative disease caused by a buildup of glycogen in neurons.
- Medical Secretary, Dr. Chaiton Rheumatology Clinic – Served as a liaison between patient and physician, performed administrative duties such as scheduling appointments and managing patient medical data.
- Medical Laboratory Assistant, ACGT Corp – Established customer service relationships and prepared oligonucleotide samples for use in research laboratory settings.
- Animal Biosciences Research Student, Elora Dairy – Investigated the short- and long-term consequences of inflammation on nutrient/mineral partition, lactation, and reproductive performance in dairy cattle.
- Animal Hospital Assistant, Kortright Animal Hospital – Provided healthcare procedures such as pre- and post-surgical care, vaccinations, and general checkups to companion animals.

## PERSONAL INTERESTS

- Badminton, running, bouldering, fashion, greek mythology, reading, truck camping





**Vincent  
Wang**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Self-motivated, resilient individual who excels in independent and group-based environments, and continuously strives to seek out new learning experiences.
- Over 3 years of research in clinical and laboratory settings in a broad range of fields including cardiology, oncology, and medicinal chemistry.
- Exceptional verbal and written scientific communication skills, acquired through a co-authored publication in *Bone Marrow Transplantation*, as well as a poster presentation at the *Global Cardio-Oncology Conference 2022*.
- Strong teamwork and management skills achieved through leadership in academic research projects and extracurricular activities.
- Highly adaptable and patient communicator with the ability to develop strong working relationships with others, developed through extensive mentorship experience in academic and community settings.
- Recipient of the BHSc Summer Research Scholarship (2021), cGEM Best Academic Innovation Award (2020), as well as the McMaster President's Award (2018).

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Health Sciences, McMaster University, Class of 2022, Minor in Chemistry

## EXPERIENCE AND QUALIFICATIONS

- Clinical Research Assistant, Hamilton Health Sciences – Conducted numerous research projects investigating the risk of cardiac side effects in stem cell transplant recipients. Maintained organized records of 900+ patients, and mentored newer students in data extraction and analysis.
- Undergraduate Thesis Student, Magolan Lab, McMaster University – Developed and synthesized novel small-molecule inhibitors of metastatic brain cancer. Conducted a review of literature and drug patents to predict bioavailability and toxicity of novel compounds.
- Team Lead, iGEM McMaster – Led a team of student researchers through an annual synthetic biology project, and presented at an annual research competition. Coordinated with other leads to organize a high school outreach event to promote interest in biotechnology.
- Tutor, York Region Tutoring – Conducted weekly one-on-one tutoring sessions for 30+ high school students in math and science. Developed curricula and exams for a summer school program.

## PERSONAL INTERESTS

- Long distance running, volleyball, cooking, and playing saxophone.



**Gavin  
Yuen**

**BIOPHARMA**

## SUMMARY OF SKILLS AND ACHIEVEMENTS

- Highly motivated individual with 4 years of biomedical research experience and a deep interest in advancing the translational goals of the pharmaceutical industry.
- Strong commitment towards the biomedical sciences with 5 co-authored journal publications ranging from co-first to third authorship (<https://www.researchgate.net/profile/Gavin-Yuen>).
- Versatile communication skills developed through liaising with scientists, clinicians, entrepreneurs, and business leaders.
- Exceptional time and project management skills as evidenced by the pursuit of two independent and concurrent senior theses with two part-time jobs. Received full endorsements from supervisors for exemplary problem-solving skills, tenacity, and quickness to adapt to unfamiliar scenarios.
- Over 8 years of cumulative experience practicing leadership, collaboration, and interpersonal skills in academic, industrial, and community cross-functional team settings.
- Featured awards: Ontario Graduate Scholarship (2023), NSERC USRA (2021).

## EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2025
- Honours Bachelor of Science, Chemical Biology, McMaster University, Class of 2023

## EXPERIENCE AND QUALIFICATIONS

- Market and Medical Research Intern, Laetech – Performed IP, clinical trial, and scientific research to develop a commercialization plan for a cell-based therapy that was awarded \$7500.
- Research Assistant & Senior Thesis #1, Rullo Lab – Investigated covalent ternary complex formation kinetics for cancer immunotherapy; designed over a septillion peptides *in-silico* for macrophage therapy.
- Senior Thesis #2, Caminero Lab – Collaborated with international labs to develop a novel *in-vivo* protocol for studying microbial-mediated degradation of peanut antigen in anaphylaxis.
- Research Assistant, Ohashi and Saibil Labs – Spearheaded large-scale *in-vivo* experiments to investigate the tumour control and metabolism of differentially activated T cells; 2<sup>nd</sup>-authorship publication in *JITC*.
- Teaching Assistant, McMaster University – Led weekly laboratory and tutorial sessions for 75 students for introductory biology and science courses.

## PERSONAL INTERESTS

- Exploring new cities and cuisines, LEGO, combat archery, dogs, start-ups, and immunology.

# NOTES

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University of Toronto Mississauga  
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