

# For Graduate Students – Focus on Skills

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## *Workshop Notes*

### **Lab Based Research**

- Data analysis
- Communication (3MT..., verbal) of your research in a sexy way
  - Presentation
  - Making posters (design)
- Sampling/surveying/collecting data
- Working on a budget/with grants
- Written communication/editing
- Experimental design/performing experiments; hard or technical skills (software skills)
- Time management/organizational
- Team work/leadership; collaboration
- Comprehensive analysis (project design)/analytic skills
- Troubleshooting and problem solving
- Innovation
- Mentoring/training undergrads in lab; motivate students/yourself
  - Communicate
  - Friendly
  - Honest/critical
  - “Soft skills” = equally important
  - Perseverance
- Save the world
- Ground breaking research
- Communicate to public technical science things
- Get \$ for research (P.I.)

### **Research – Non Lab**

- Proposal writing
- Designing projects or instruments
- Project management
- Budget management
- Data analysis/modeling
- Statistical analysis
- Presentations
- Ethics
- Supervision

## **Publishing & Communications**

- Social media skills
- Promoting and engaging both an academic and public audience
- Oral and written communication skills
- Creative networking
- Critical thinking
- Disseminating and simplifying information
- Critical reading
- Analytical skills
- Organization
- Collaboration/people skills

## **Teaching**

- Organization and time management
- Be approachable – good interpersonal skills
- Engaging
- Inspirational, motivational
- Clear, concise, clarity
- Sense of humour
- Innovative
- Stay current
- Compassion and remain understanding
- Lesson plan
- Adaptive teaching and learning
- Self-evaluation/reflection
- Teamwork, cooperation
- Develop curriculum
- Public speaking
- Proper assessment of students
- Tech savvy