An Introduction to Computing at the College of Engineering

Jamie Schrader

CAEN
Computing at Michigan

Some computing organizations you may use at U-M:

- ITS (Services for all U-M students)
- Housing IT (Residence Halls & Family Housing)
- MCIT (Medical Center)
- University Libraries
- CAEN (College of Engineering)
- Departmental IT Support Staff
Some of what ITS provides you…

- Computing sites on Central Campus
- Standard Computing Services:
  - U-M uniqname and UMICH password
  - U-M Google: Email, Calendar, Drive…
  - U-M Box: Unlimited cloud storage
  - Printing allocation for use in computer labs each term
Some of what CAEN provides you…

• Dozens of Engineering-only computer labs across campus
• Remote access to computers from on or off campus
• Access to a large engineering software library (>200 applications)
• Support for U-M high performance & research computing clusters
• Additional online file storage that travels with you
Info on the web: caen.engin.umich.edu

- Online Orientation  
  caen.engin.umich.edu/students

- Service Status Reports  
  caen.engin.umich.edu/status

- Computer Labs  
  caen.engin.umich.edu/computers

- Software  
  caen.engin.umich.edu/software

- Lecture Recordings  
  caen.engin.umich.edu/lecrecording
145B & 145C Chrysler Center
http://caps.engin.umich.edu
eranders@umich.edu; nfkazi@umich.edu
734-764-8312
230 Chrysler Center
ECRC-info@umich.edu
http://career.engin.umich.edu
Engineering Career Resource Center (ECRC)

- **Student Career Services**
  - Comprehensive career advising
  - Internships, Co-Ops, and Full Time job searches

- **Employer Relations**
  - Engineering Careers, by Symplicity
  - On-Campus recruiting events
Engineering Careers, by Symplicity

- Search hundreds of active job postings
- Upload resumes, cover letters, and transcripts
- Register to attend workshops and events
- Accept and schedule on-campus interviews
- Research 4,300+ employers
- Career and job search resources/leads
Update Your Resume

- **Resume Resources**
  - Review ECRC Career Guide
  - Schedule a Resume Review with an ECRC Career Services Manager

- **Industry Resume Critiques**
  - Sept 7: ZF
  - Sept 10: General Electric
  - Sept 11: BASF
  - Sept 12: Ford
  - Sept 13: Consumers Energy
  - Sept 14: Texas Instruments
Participate in Networking Events

• **Fall 2018 Workshops**
  – US Job Search for International Students
  – Introduction to Resume Writing
  – Strategies for Career Fair Success
  – Ace the Interview! Interview Preparation
  – Professional Portrait Sessions
  – PhD Workshops: Academic and Industry Searches
Participate in Networking Events

• **Attend the SWE/TBP Fall Career Fair**
  – Sept 17 & 18
  – 10 am - 4 pm
  – Beyster, Dow, G.G. Brown, EECS, FXB, Duderstadt, Chrysler, Pierpont

• **Visit the ECRC Career Events Calendar to learn about fall recruiting events:**
  – Career Fairs
  – Tech Talks
  – On-Campus Interviews
  – Company Days
  – Industry Resume Critiques
Upcoming Events

• **Sept 7 - 14:** Industry Resume Critiques
• **Sept 11 & 12:** Career Fair Preparation Workshop
• **Sept 13 & 25:** Interview Strategies Workshop
• **Sept 14:** Elevator Pitch Booth
• **Sept 17 & 18:** Fall Engineering Career Fair
Upcoming Graduate & PhD Events

- **Oct 2**: PhD Workshop: Secrets from the Other Side...What Recruiters Know that You Don't
- **Oct 11**: Writing CV's & Cover Letters for the Academic Job Search
- **Nov 29**: Navigating the Academic Interview and Negotiation Process
Questions?
143 Chrysler Center
coe-studentaffairs@umich.edu
http://studentaffairs.engin.umich.edu
Graduate Student Funding Resources

Michigan Engineering has identified a variety of funding resources for our new and current graduate students:

https://scholarships.engin.umich.edu/graduate/

Michigan Engineering/Rackham/U-M Campus/External
• Graduate Student Research Assistant (GSRA) appointments
• Graduate Student Instructor (GSI) positions
• Michigan Engineering (Co-Curricular Experiences, Community Grants, Emergency, Featured Awards, PhD Funding Support Guidelines)
• Non-Michigan Engineering/External Funding
• Rackham Graduate School
• U-M Employment Opportunities
# Funding Application Tips

## BASICS
- **Seek and Find** (don’t wait)
- **APPLY!**
- **Read/Adhere to Instructions**
- **Be Organized and Thorough**
- **Know Your Audience** (award goals, type of reviewers)
- **Secure Letter(s) of Recommendation** (ask!)
- **Be Explicit** (highlight key points, label sections, state how you will address fellowship goals)

## BEYOND
- **Connect Your Own Dots**
- **Don’t Take Yourself for Granted**
- **Utilize Your Resources** (writing sessions, involve letter writers throughout the process, review past recipient applications)
- **Prepare for Interviews**
- **Secure Strong, Timely Letters of Recommendation**
- **BE YOURSELF!**
- **APPLY to Many Opportunities**
Graduate Student Co-Curricular Funding

• Purpose: To provide graduate students greater access to professional opportunities outside of their research and curriculum.

• Proposal Deadlines: Rolling basis until funding is gone

• Application Process: https://studentaffairs.engin.umich.edu/graduate-student-co-curricular-experiences-funding/

• Typical Areas of Support:
  – Workshop to develop non-research skills
  – Developing, organizing, or managing a business
  – Leadership training workshops
  – Conferences, including but not limited to ASEE, SHPE, SWE, NSBE, & oSTEM
  – Student travel to underdeveloped countries to gauge technological needs - sometimes with student orgs
Graduate Student Community Grant Program

• Purpose: To foster creative initiatives that will enhance the collaborative spirit among graduate students in the College of Engineering.

• Proposal Deadlines: June and December.

• Application Process: gscg.engin.umich.edu

• Highlights:
  – Collaboration with fellow students, faculty, &/or staff
  – Funding and event planning guidance provided.
  – Examples:
    • Presentation with an outside speaker, food
    • Sport viewing party
    • Ski trip to Mt. Brighton
    • Team-building outing at the UM Adventure Leadership program
    • Faculty/student coffee hour
The Victors

Hail! to the victors valiant.
Hail! to the conqu'ring heroes.
Hail! Hail! to Michigan,
the leaders and best!

Hail! to the victors valiant.
Hail! to the conqu'ring heroes.
Hail! Hail! to Michigan,
the champions of the West!

Go Blue!
Free Upcoming Events for Grad Students

Understanding Taxes
9/11, 3:00 PM to 5:00 PM, Johnson Rooms, Lurie Engineering Center

Ice Skating Graduate Student Social
9/23, 7:00pm-8:50pm, Yost Arena

Time Management for Busy People
9/26, 12:00-1:30, Johnson Rooms, Lurie Engineering Center—lunch provided!

Your Professional Brand: The Secrets to Building a Brand for Career Success
10/4, 10:00-11:30, Johnson Rooms, Lurie Engineering Center

Overcoming Perfectionism
11/27, 12:00-1:30, Johnson Rooms, Lurie Engineering Center—lunch provided!

For more details on these and other events, go to https://events.umich.edu.