EECS Undergraduate Announcements for September 17, 2018

There's A Career Fair App!

The 2018 Career Fair Directors are excited to announce that the Career Fair has recently launched a new APP! This mobile application will allow you to view the company list and map, “favorite” your top companies, and read all about the companies that will be attending the fair. To get started with the new app, download "Career Fair Plus" and enter "University of Michigan" as your organization. Contact careerfair@umich.edu for more information.

Coding/Database Projects at the Interface of Biochemistry, Bioinformatics, and More!

Background: Life requires thousands and thousands of chemical reactions. Molecules called enzymes make these reactions fast enough to support life. Some of these enzymes use flavin molecules - derivatives of riboflavin/vitamin B2 - along with proteins. The 3D-structure of the protein controls the chemical reactivity of the flavin in ways that aren't properly understood. Decades of research in biochemistry and structural biology have amassed a vast amount of data. The overarching goals of this project are to correlate reactivity data with 3D-structural interactions between proteins and flavins, and to make these data accessible to the global community of flavin researchers.

Ongoing Project: This is a project at the intersection of bioinformatics, structural chemistry, and cheminformatics. Initial work has created some tools for storing structural data (as atomic Cartesian coordinates) for the ~3000 flavoproteins from the Protein Data Bank; extracting, classifying, and encoding chemical interaction information; and clustering interaction motifs.

Much work remains to be done:

- Mine more data from the publicly available structural / bioinformatics databases
- Analyze the data in fairly simple ways (at least at first)
- Establish a useful database
- Create a user-friendly web interface

Qualified students will have skills/knowledge in:

- basic Python skills, OR
- web-design skills, OR
- database design, OR
- clustering algorithms, OR
- bioinformatics/biochemistry/biophysics/cheminformatics

Successful outcomes:

- creation of a unique & valuable resource for the flavin field
- one or more scientific publications in peer-reviewed journal(s)
- research credit in Biological Chemistry or Biophysics (optional)

Interested? E-mail Bruce Palley (brupalf@umich.edu) ASAP.

Procter & Gamble IT/SNO Recruiting at the University of Michigan

- Tuesday, September 18th – P&G IT/SNO Info Session @ 5:30 PM – 7:30 PM – Michigan League Henderson Room
- Wednesday, September 19th – IOE Career Fair @ 10 AM – 3 PM – Duderstadt Center Atrium

ATTN: We encourage you to reply-early prior to the SME/ED Career Fair to be
ATTN: We encourage you to apply online prior to the SWETS/Career Fair to be considered for an on-campus interview. We recommend taking the two online assessments seriously as they are a large part of our selection process. For more information, please view the attachments.

Note: P&G is not in a position to sponsor candidates for work authorization in the US. However, as a Global Company, P&G would encourage candidates to look for opportunities with our company at your native country.

What is IT and SNO at P&G?
Information Technology (IT) is where business, innovation, and technology come together to create competitive advantage. Our IT professionals are diverse business leaders who apply IT mastery to deliver technology-driven business models and capabilities. A career in IT builds change leadership and influence skills, breadth of experience across multiple businesses, and depth of expertise in areas like Application & Integration, Infrastructure, Data & Analytics and IT Security & Risk.

Supply Network Operations (SNO) leverages business analytics & big data via computer robotics & algorithms to drive operations for our businesses. Value Stream Analysts & Managers have well-rounded capabilities spanning information technology / systems, driving better business decisions improving cash, cost, service, quality & schedules for our supply chains. They partner internally across the company globally & externally with our suppliers & customer teams to bring our products to life ensuring our products are feasible for the supply network, materials are sourced on time, produced on time & shipped to our customers / consumers on time.

If you have any additional questions, please contact osborne.a@pg.com

Pandora Challenge: University of Michigan
Kick-off Event
@ Duderstadt Center
@ 6:00 – 9:00 pm, September 25, 2018

* Win a day with Pandora's leadership team!
* Launch a real-world campaign!
* Network with industry professionals to get jobs/internships!

In partnership with artist Bryce Vine and Pandora, students will be launching a national marketing and playlist campaign to support local foundation Barn Sanctuary in their mission to rescue, rehabilitate and care for farm animal refugees in their mission to rescue, rehabilitate and care for farm animal refugees. In this industry and career discovery kick-off event, students will hear from Bryce Vine and Barn Sanctuary, form teams, and learn how to use Pandora's Artist Marketing Platform. They will then have 3 weeks to launch and optimize their campaigns across social media and music streaming services. The campaign with the highest engagement wins. Learn more at our kick-off event!

RSVP required for entry to the event:
https://realindustry.org/pandora-challenge-at-university-michigan

Feel free to put "Chu-Yu Cheng" into "Referred by" section! Thank you.

Williams International Info Session
Sept. 17th
5:30-7 pm
1005 DOW

Williams International will be holding an information session next week, and are looking for students from EECS to attend. Stop by for pizza and to learn about opportunities at Williams International.

NAVAIR Information Session
Sept. 17th
7-8:30 pm
1012 FXB

NAVAIR will be hosting an information session the Monday of career fair. They are looking for students to listen to what they have to offer in their careers.
**Evolve Sustainability Summit Opportunity**

Evolve is a student organization dedicated to celebrating sustainability efforts on campus and beyond while also fostering discussion and learning about new ideas in sustainability. Our mission is to host an annual, student-run event that draws out answers to the question, “what is sustainability?” from all sectors of the economy, community, and campus. Through this discussion, we hope to inspire action in a generation of leaders working to rebuild the world. If you’d like to learn a little more about the event, please check out our website here!

We are looking for dedicated students to work with us on this year’s event. Specifically, we are looking for students to run the following sections of the event:

- **Outreach**: The outreach team will consist of 2-3 students working on contacting businesses and student orgs to be featured at the event.
- **Marketing/Advertising**: This student will run the marketing campaign for Evolve. A major or minor in Marketing or Advertising would be an incredible asset.
- **Design**: The designer will be in charge of all of the visual aspects of the event, including digital and physical design.
- **Facilities**: There are many physical components needed for an event. This student will be in charge of acquiring and organizing these components.

If you are interested, please email ckeough@umich.edu and eemaher@umich.edu with a resume and cover letter by October 1st.

**SWE Videogame-Based Coding Challenge**

**October 27, 2018**

11:00am-5:00pm

**League Ballroom**

SWE is co-hosting coding competition/game night called Terminal, an online game where players compete by writing programs that automate their gameplay. So essentially, players will face off in live tournaments through their algorithms. There will be $500+ in cash prizes, free food, and networking opportunities with recruiters from major companies, including our sponsor Citadel LLC.

This is a great opportunity for CS majors, or anyone interested in tech to gain hands on exposure to the gaming side of tech, while building their resume!

**APPLY TO THE COMPETITION HERE:**  [https://terminal.c41games.com/competiti...michigan-game-night...](https://terminal.c41games.com/competiti...michigan-game-night...)

Like the Facebook page to stay updated:  [https://www.facebook.com/events/470191920128308?notif_t=plan_edited&notif_id=1386094575011575](https://www.facebook.com/events/470191920128308?notif_t=plan_edited&notif_id=1386094575011575)

Also check out these videos if you want to know more about the backstory of the game or how it works!

[https://vimeo.com/283777731](https://vimeo.com/283777731)

[https://vimeo.com/283181829](https://vimeo.com/283181829)