

Ellen Liu

GitHub: ellen-liu | **LinkedIn:** ellen-liu
[www.ellenliu.me]

EDUCATION

Swarthmore College | B.A. Computer Science and Psychology | GPA: 3.3 Expected Graduation: May 2019

Relevant Coursework: Intro to Computer Science, Linear Algebra, Data Structures & Algorithms, Intro to Computer Systems, Artificial Intelligence, Discrete Math, Computer Networks, Adaptive Robotics, Operating Systems, Bioinformatics, Algorithms (*in progress*)

WORK EXPERIENCE

Software Engineering Intern - PagerDuty (San Francisco, CA)

Jun 2018 - Present

Tools/Technologies: Ember.js, Elixir, Ruby on Rails, Kafka

- Developed internal microservice to facilitate delivering entitlements to accounts using **Elixir** and **Kafka**
- Rebuilt new UI in **Ember.js** for purchasing experience of new business plans
- Created monitors and alerts using **DataDog** and **PagerDuty** to identify any issues with the microservice

Data Engineering Intern - PagerDuty (San Francisco, CA)

May 2017 - Aug 2017

Tools/Technologies: Redshift, Airflow, Ruby, Python, SQL

- Implemented and rolled out an analytics feature to customers, including Fortune 500 companies, who immediately adopted the service

Computer Science Dean's Tutor and Grader

Jan 2017 - Present

- Provide one-on-one tutoring for students needing extra preparation in assignments and assessments
- Trained to tutor for the intro computer science course and the data structures and algorithms course
- Grade 30+ weekly coding assignments for the intro course

LEADERSHIP/VOLUNTEERING EXPERIENCE

Women (+) in Computer Science - President

Dec 2017 - Present

- Build relationships within the department to lift up those who identify as female and other underrepresented genders in the computer science field
- Coordinate weekly interview prep sessions for internships and full-time positions in tech
- Manage event planning from small-scale to large-scale study breaks and workshops and speaker events
- Communicate regularly with other student organizations, faculty, and community members

Hack The TriCo - Director

Jul 2016 - Present

- Organize a 24-hour coding hackathon for Spring 2017 and Spring 2018
- Manage event budget for up to 150 attendees and serve as point of contact for all vendors and sponsors

Student Academic Mentor

Aug 2015 - Present

- Developed a 4-year course planning tool for students to plan their desired academic goals
- Hold regular one-on-one meetings with 20+ first-year students to help them develop skills such as time management, organization, and studying and reading techniques
- Serve as an academic advisor and peer leader to those in own residence hall and across campus

GROUPS/ORGANIZATIONS

Rewriting the Code Fellowship

Jun 2018 - Present

- Year-long program designed to complement a student's academics and offer opportunities for coaching, educational programming, and industry exploration

Swarthmore College Computer Society

Jan 2017 - Present

- Develop and maintain services for students such as a student database, course scheduler, and mailing lists

Swarthmore College Music Dept.

Dec 2017 - Present

- Play piano for the college orchestra and a chamber music group (a flute player and a bassoonist)