

ESTHER Y. SHIN

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EDUCATION

University of California, Berkeley

August 2018 - May 2022 (Expected)

- Bachelor of Science, Electrical Engineering and Computer Science
- Berkeley Certificate of Innovative Design
- GPA: 3.4

SKILLS: Java, Python, HTML, CSS, Javascript, SQL, Scheme, Git, Scratch, Adobe Illustrator/Photoshop/XD

RELEVANT COURSEWORK: Structure and Interpretation of Computer Programs, Data Structures, Designing Information Devices and Systems, Web Design, Introduction to Illustrator and Photoshop

AWARDS/HONORS: The Gates Scholarship; AALA Scholarship; President's Volunteer Service Award (Gold); Disney Be Inspired Grant; Certificate of Recognition by the California Legislature Assembly; FOL Community Service Award; LACES KPO Award

PROJECTS

BearTracks (HackDavis2020)

January 2020

- Developed an online platform designed to help students plan their academic careers and sort major requirements/prerequisites
- Used HTML, CSS, and Javascript to create website; used Neo4J, web scraping, and graph theory to gather and organize data

Gitlet

December 2019

- Engineered a version-control system that mimics fundamental features of Git in Java utilizing a tree and graph structure

Enigma Machine

October 2019

- Created an enigma simulator in Java that takes in descriptions of input configurations and messages to encode or decode

Scheme Interpreter

April 2019

- Developed an interpreter for a subset of the Scheme language and implemented small programs in Scheme

Yelp Map

February 2019

- Utilized Yelp academic dataset to construct an interactive map of restaurant ratings in Python
- Practiced machine learning to create a visualization of segmented regions of Berkeley built from a Voronoi diagram

EXPERIENCE

EECS Academic Intern

January 2019 - Present

Lab Assistant & Developer

- Assist Berkeley undergraduate and graduate students with lab assignments for the CS10: Beauty and Joy of Computing
- Work closely with professor Dan Garcia and staff team to improve the course curriculum and develop lab

Solid Creact

June 2019 - July 2019

Marketing Intern

- Coordinated the 2019 K-Food fair for over 200 exporters and buyers at DTLA Intercontinental Hotel
- Recruited staff members, managed event registration, and formalized product marketing strategies focusing on digital media

UCLA Summer Biology Research Internship

June 2017 - July 2017

Research Intern

- Analyzed Aberrant Splicing in relation to different types of cancers and other diseases in Dr. Yi Xing's lab

LEADERSHIP

Society of Women Engineers

August 2019 - Present

Public Relations Chair

- Design and deliver weekly SWE email newsletters, facebook event covers, and promotional stickers
- Coordinate creative workshops for SWE members and lead a public relations committee

The Gates Scholarship Conference

June 2019

Mentor & Panel Speaker

- Directly mentored a group of 8 Gates Scholars throughout the conference and assisted in carrying out logistics
- Participated as a speaker on the "Maximizing Your College Experience" panel to share insights to the new cohort

One Small Step Non-Profit Organization

January 2017 - August 2018

Co-Founder

- Donated over \$5,000 worth of products to impoverished girls in El Salvador and Guatemala
- Developed website and created brochure on the importance of proper feminine hygiene care and routine

California Polytechnic State University E.P.I.C.

July 2017 - August 2017

- Modeled traffic flow with computer programs, built rockets, and explored cybersecurity