

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 in Design Innovation

Awards/Honors: The Gates Scholarship; AALA Award; PVSA Gold; Disney Be Inspired Grant

Relevant Coursework: Algorithms, Machine Structures, Cloud Computing and SaaS, Data Structures, Designing Information Devices and Systems, iOS Development, Web Design, Prototyping and Fabrication

EXPERIENCE

AXS | Los Angeles, CA

Summer 2020 (Cancelled due to COVID-19)

Software Engineer Intern

Convergent | Berkeley, CA

January 2020 - Present

Build Team Software Engineer

- Developing PillaRx, a marketable mobile app which helps users find insurance-based drug alternatives in React Native
- Fleshed out prototype on Figma and created business model to pitch to investors

Berkeley AI Research Lab | Berkeley, CA

January 2020 - May 2020

Student Assistant

- Assist UC Berkeley EECS faculty, graduate students, and postdoctoral researchers with logistics in BAIR lab

HackDavis 2020 | Davis, CA

January 2020

Developer

- Developed a web platform called BearTracks that helps students sort major requirements and prerequisites
- Front-End: HTML, CSS, and Javascript to create website and Adobe Illustrator to create graphics
- Back-End: Python Web Scraping, Neo4J, and Graph Theory to gather/organize data

PROJECTS

InTune

May 2020

- Created an iOS application where two Spotify users can get a compatibility score based on their listening history
- Utilized Spotify SDK to access user data and Cloud Firestore for app persistency

Gitlet

December 2019

- Engineered a terminal-based, version-control system that mimics fundamental features of Git
- Created in Java using Secure Hash Algorithm 1 (SHA-1)

Enigma Machine

October 2019

- Developed a WWII enigma simulator in Java that takes input configurations and messages to encode or decode

Yelp Map

February 2019

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

LEADERSHIP

Society of Women Engineers | Berkeley, CA

August 2019 - Present

Webmaster / Public Relations Chair

- Manage UC Berkeley SWE section website and Piazza page
- Launched weekly email newsletters on MailChimp and designed event covers and promotional stickers
- Led a PR committee of 4 mentees with bi-weekly meetings, socials, and Adobe Illustrator workshops

UC Berkeley EECS Department | Berkeley, CA

January 2019 - December 2019

Undergraduate Lab Assistant

- Assisted Berkeley undergraduate and graduate students with lab assignments for CS10: Beauty and Joy of Computing
- Taught topics of abstraction, recursion, algorithmic complexity, and concurrency in Python

SKILLS

Programming Languages: Java, Python, C, HTML, CSS, JavaScript, Swift, SQL, Scheme

Technical: Git, Linux, Firebase, Bootstrap, Testing/Debugging, Adobe Illustrator/Photoshop/XD, Figma

Interests: Front-End Development, Back-End Development, Full-Stack Engineering