ESTHER Y. SHIN

(213) 999-1940 • esthershiin@berkeley.edu • linkedin.com/in/esther-yj-shin • esthershin.me

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 (Concurrent), Data Structures, Machine Structures (Concurrent), Cloud Computing and SaaS (Concurrent), Designing Information Devices and Systems, Web Design, iOS Development, Discrete Mathematics and Probability Theory, 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
- Assisted UC Berkeley EECS faculty, graduate students, and postdoctoral researchers with logistics in BAIR lab

HackDavis 2020 | Davis, CA   January 2020
Hacker
- 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
- Implemented 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
- Constructed in Java using Secure Hash Algorithm 1 (SHA-1) and Tree/Graph Structure

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
- Built 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