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: Facebook ABCS Scholar; 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 Piazza page and website using HTML, CSS, JavaScript, and Bootstrap elements
- Constructed a Buzzfeed-style interactive quiz in JavaScript that outputs match results depending on user choices
- 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
- Taught topics of abstraction, recursion, algorithmic complexity, and concurrency in Python to Berkeley students

SKILLS

Programming Languages: Java, Python, C, HTML, CSS, JavaScript, Swift, SQL, Scheme
Technical: Git, Linux, Firebase, Bootstrap, Adobe Illustrator/Photoshop/XD, Figma