ESTHER SHIN

(213) 999-1940 • esthershiin@berkeley.edu

linkedin.com/in/esther-yj-shin • github.com/esthershiin • esthershin.me

EDUCATION

University of California, Berkeley   Aug 2018 - May 2022
- Bachelor of Science, Electrical Engineering and Computer Science
- Berkeley Certificate in Design Innovation

Awards/Honors: Facebook ABCS Scholar; Gates Scholar; Rewriting the Code Member; Disney Be Inspired Grant
Relevant Coursework: Algorithms, Data Structures, Machine Structures, Cloud Computing and SaaS, Designing Information Devices and Systems, Web Design, 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   Jan 2020 - Present
Build Team Developer
- Collaborating in a team of 5 to build React Native MVP; collected 122 user market survey reviews
- Designed high-fidelity Figma prototype, pitching to 3 venture capitalists and landing exclusive mentorship

HackDavis 2020 | Davis, CA   Jan 2020
Hacker
- Programmed a course planner web platform in HTML, CSS, and JavaScript with interactive search and graph diagram features, including sorting by major and prerequisites
- Designed 2 graphics and logo to advertise platform in Adobe Illustrator
- Used Python and Neo4j to web scrape and organize data for 150 undergraduate majors from university webpages

PROJECTS

InTune   May 2020
- Worked with a team of 3 to build iOS app that creates a compatibility score for 2 spotify users based on their data
- Utilized Spotify SDK and Cloud Firestore to set up application, with support for networking and persistency

Gitlet   Dec 2019
- Engineered a command-line version-control system, implementing 13 fundamental features of Git
- Assembled in Java using Secure Hash Algorithm 1 (SHA-1) and Tree/Graph Structure

Enigma Machine   Oct 2019
- Developed a Java WWII Enigma simulator, a sophisticated progressive substitution cipher, for the command line
- Created 15 extensive unit tests and applied integration testing for up to 80% of code coverage

Yelp Map   Feb 2019
- Processed Yelp dataset (130+ data points) to construct interactive restaurant ratings map in Python
- Built a segmented visualization of Berkeley with a Voroni diagram using machine learning practices

LEADERSHIP

Society of Women Engineers | Berkeley, CA   Aug 2019 - Present
Webmaster | Public Relations Chair
- Manage and add new features to UC Berkeley SWE section Piazza page and website, used by over 150 monthly users
- Built a Buzzfeed-style interactive quiz in JavaScript, promoting recruitment applications
- Launched 15 weekly email newsletters on MailChimp sent to over 1,100 students
- Led a PR committee of 4 mentees with bi-weekly meetings, socials, and Adobe Illustrator workshops

UC Berkeley EECS Department | Berkeley, CA   Jan 2019 - Dec 2019
Undergraduate Lab Assistant
- Instructed roughly 35 students over 19 weekly labs on abstraction, recursion, time complexity, and concurrency

SKILLS

Programming Languages: Java, Python, C, Go, HTML, CSS, JavaScript, Swift, SQL, myScheme
Technical: Git, Linux, RISC-V, Insomnia, Docker, MySQL, Firebase, Bootstrap, Adobe Illustrator, Photoshop, XD, Figma