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   GPA: 3.5/4.0
- 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, Computer Security, Database Systems, Machine Structures, Cloud Computing and SaaS, Web Design, iOS Development, Information Systems, Industrial Design, Prototyping and Fabrication

EXPERIENCE

Beckman Coulter | Sacramento, CA   Aug 2020 - Present
Software Engineer
- Competing in the Society of Women Engineers National Team Tech Competition with a group of 9 engineers
- Working on a product-based technical project in the software sector

Convergent | Berkeley, CA   Jan 2020 - Present
Software Developer
- Collaborating in a team of 5 to develop a web mentorship platform; collected 122 user market survey reviews
- Designed high-fidelity Figma prototype, pitching to 3 venture capitalists and landing exclusive mentorship

AXS | Los Angeles, CA   Summer 2020
Software Engineering Intern
- Cancelled due to COVID-19

PROJECTS

BearChat   Oct 2020
- Built a full-stack, social media application that runs in the Cloud in Golang with MySQL, AWS, and Docker
- Incorporated authentication feature to allow users to receive confirmation email through Twilio SendGrid API

InTune   May 2020
- Worked in a team of 3 to build an iOS app that creates musical compatibility scores for 2 spotify users
- Utilized Spotify SDK and Cloud Firestore to set up application, with support for networking and persistency

HackDavis 2020   Jan 2020
- Programmed a course planner tool in HTML, CSS, and JavaScript with interactive search and graph diagram features, including sorting by major and prerequisites
- Used Python and Neo4j to web scrape and organize data for 150 undergraduate majors from university webpages

Gitlet   Dec 2019
- Engineered a command-line version-control system, implementing 13 fundamental features of Git
- Assembled in Java using Secure Hash Algorithm 1 and applied integration testing for up to 80% code coverage

LEADERSHIP

Society of Women Engineers | Berkeley, CA   Aug 2019 - Present
Webmaster
- Manage the UC Berkeley SWE section Piazza page and website, used by over 150 monthly users
- Developed photo gallery with lightbox feature and built a series of Buzzfeed-style interactive quizzes in JavaScript, promoting recruitment applications
- Led a web committee of 3 mentees with bi-weekly meetings, socials, and web development 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, Scheme, RISC-V
Technical: Git, Linux, Spark, Docker, Firebase, mySQL, Bootstrap, Adobe Illustrator, Photoshop, XD, Figma