

# ESTHER SHIN

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

linkedin.com/in/esther-yj-shin • github.com/estershiiin • estershshin.me

## EDUCATION

### University of California, Berkeley

Aug 2018 - May 2022

- Bachelor of Science, Electrical Engineering and Computer Science
- Berkeley Certificate in Design Innovation

GPA: 3.5/4.0

**Awards/Honors:** Gates Scholar; Facebook ABCS 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

*Tech Consultant*

- Competing in the Society of Women Engineers National Team Tech Competition with a group of 10 engineers
- Analyzing causes of and fixing issues on consumer product as an engineer on the software team

### Convergent | Berkeley, CA

Jan 2020 - Present

*Software Engineer*

- 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 (Cancelled due to COVID-19)

*Software Engineering Intern*

## PROJECTS

### BearChat

Oct 2020

- Built a full-stack, social media application in Golang with MySQL, AWS, and Docker
- Incorporated authentication feature through Twilio SendGrid API and implemented friends and posts features

### 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 up to 150 monthly users
- Developed photo gallery with lightbox feature and built a series of BuzzFeed-style interactive quizzes in JavaScript
- 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

### One Small Step Non-Profit Organization | Los Angeles, CA

Jan 2017 - Jan 2019

*Co-Founder*

- Raised and donated \$5,000 worth of feminine hygiene products to impoverished girls in El Salvador and Guatemala
- Created website and partnered with local restaurant to fundraise and raise awareness of period poverty

## SKILLS

**Programming Languages:** Java, Python, C, Go, HTML, CSS, JavaScript, Swift, SQL, Scheme, RISC-V

**Technical:** Git, Linux, Spark, Docker, Firebase, Bootstrap, Adobe Illustrator, Photoshop, XD, Figma