

# ESTHER SHIN

(213) 999-1940 • [estershiiin@berkeley.edu](mailto:estershiiin@berkeley.edu)  
[linkedin.com/in/esther-yj-shin](https://www.linkedin.com/in/esther-yj-shin) • [github.com/estershiiin](https://github.com/estershiiin) • [estershin.me](https://estershin.me)

## EDUCATION

### University of California, Berkeley

Aug 2018 - May 2022

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

GPA: 3.69/4.0

**Awards/Honors:** Gates Scholar; Meta ABCS Scholar; Rewriting the Code Member

**Relevant Coursework:** Algorithms, Data Structures, Computer Security, Databases, Artificial Intelligence, Machine Structures, User Interface, Cloud Computing and SaaS, Full Stack Web Development, iOS Development, Discrete Mathematics and Probability Theory, Information Systems, Industrial Design and Human Factors, Creative Programming and Electronics, Prototyping and Fabrication, 3D Printing

## EXPERIENCE

### Splunk | San Francisco, CA

Sept 2022 - Present

*Software Engineer*

- Developing QA Tools and Frameworks to increase engineering productivity in the Developer Platforms team

### Splunk | Remote

May 2021 - Sept 2021

*Software Engineer in Test Intern*

- Created a searchable test report dashboard based on Jenkins build data with drill down features
- Built GitLab CI pipelines to build, deploy, and monitor automated tests for product support applications

### Beckman Coulter | Sacramento, CA

Aug 2020 - May 2021

*Tech Consultant*

- Competed in the Society of Women Engineers National Team Tech Competition with a group of 10 engineers

## PROJECTS

### Dino-soar

May 2022

- Developed a web game that uses machine learning and p5.js for motion-based controls and customization

### RookieDB

Jan 2021

- Developed a database system with support for B+ tree indices, efficient join algorithms, query optimization, multi-granularity locking, and database recovery
- Implemented in Java with unit testing for up to 90% code coverage

### 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

### BearTrack (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 majors from university webpages

## LEADERSHIP

### Society of Women Engineers | Berkeley, CA

Aug 2019 - May 2022

*Social Media Chair | Webmaster | PR Chair*

- Managed the UC Berkeley SWE section Piazza page and [website](#), used by up to 150 monthly users
- Led a committee of 3 mentees with bi-weekly meetings, socials, and technical 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, SQL, SPL, Javascript, Swift, Scheme, RISC-V

**Technical:** Git, Spark, Kubernetes, Docker, Firebase, Bootstrap, Arduino, Fusion360, Figma, Adobe Illustrator