

ESTHER SHIN

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EDUCATION

University of California, Berkeley

Aug 2018 - May 2022

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

GPA: 3.6/4.0

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

Splunk | San Francisco, CA

May 2021 - Present

Software Engineer in Test Intern

- Developed an interactive search engine to generate dashboard reports on latest test results for company QA and SDET engineers
- Creating testing frameworks and automated tests for Technology Add-Ons in Splunk Enterprise product

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
- Analyzed and fixed issues on consumer product as an engineer on the software team

AXS | Los Angeles, CA

Summer 2020 (Cancelled due to COVID-19)

Software Engineering Intern

PROJECTS

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

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 majors from university webpages

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
- 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, Bootstrap, Adobe Illustrator, Photoshop, XD, Figma