ESTHER SHIN

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EDUCATION

University of California, Berkeley   Aug 2018 - May 2022
- Bachelor of Science, Electrical Engineering and Computer Science   GPA: 3.65/4.0
- Berkeley Certificate in Design Innovation

Awards/Honors: Gates Scholar; Facebook ABCS Scholar; Rewriting the Code Member; Disney Be Inspired Grant

Relevant Coursework: Algorithms, Data Structures, Computer Security, Database Systems, Artificial Intelligence, Software Engineering, Machine Structures, Cloud Computing and SaaS, Web Design, iOS Development, Information Systems, Industrial Design, Prototyping and Fabrication

EXPERIENCE

Splunk | San Jose, CA   Sept 2022
Incoming Software Engineer

Splunk | Remote   May 2021 - Sept 2021
Software Engineer in Test Intern
- Developed an interactive dashboard report with Jenkins build data for latest QA test results
- Created GitLab CI pipelines to build, deploy, and monitor automated tests for 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
- Analyzed issues of consumer product and developed various solutions on the software team

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 - Dec 2021
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 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, SQL, SPL, Javascript, Swift, Scheme, RISC-V

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