ESTHER SHIN

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EDUCATION

University of California, Berkeley   Aug 2018 - May 2022
- Bachelor of Science, Electrical Engineering and Computer Science   GPA: 3.6/4.0
- 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, 3D Modeling

EXPERIENCE

Splunk | San Francisco, CA   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

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
- 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