Phoebe Li

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Education

UNIVERSITY OF CALIFORNIA, BERKELEY | COMPUTER SCIENCE B.A. *EXPECTED MAY 2023 | 3.94 GPA*

- *Relevant Coursework:* Data Structures, Designing Information Devices and Systems, Discrete Math and Probability, Computer Architecture, Efficient Algorithms and Intractable Problems, Operating Systems, Principles of Data Science, Computer Security, Intro to Artificial Intelligence
- *Campus Organizations:* Blueprint Technology for Non-Profits, CS Honors Society (UPE)

Experiences

SOFTWARE ENGINEER INTERN | AMAZON *MAY ~ AUG 2021*

- Constructed a Java client with custom cache for Shop With Points (SWP) Config Service, a backend service that vends SWP configs, and integrated it with an existing client package, reducing service access latency
- Used Spring for dependency injections, Lombok Builder, and wrote Mockito Unit Tests with 100% coverage
- Created team-reviewed Design Doc. covering project timeline, implementation decisions, and future phases

PROJECT MANAGER | NSEVP (BLUEPRINT) *JAN ~ JUN 2021*

- Led a team of 5 developers and 1 designer to design and build a web dashboard for NSEVP, a Hawaiian non-profit organization that manages food distribution and tracks USDA certifications of local farms
- Developed semester roadmap, scoped/assigned weekly sprint tasks, reviewed PRs, and led work sessions
- Oversaw front/backend development with React, Redux, Node, Airtable; deployed with Netlify and Heroku
- Corresponded with NPO point-of-contacts to present project updates and coordinate user testing

TECHNICAL LEAD | SIREN (BLUEPRINT) *AUG 2021 ~ PRESENT*

- Collaborating with the PM to build a multilingual React Native mobile app for Services, Immigration Rights & Education Network (SIREN) to allow immigrant and refugees to upload and access their legal information
- Finalizing tech stack, setting up codebase, onboarding developers, reviewing PRs, and sprint planning

COMMUNITY RELATIONS OFFICER | CS HONORS SOCIETY (UPE) *JAN 2021 ~ PRESENT*

- Leading a committee of 6 to organize cross-organizational socials, UPE alumni panels, & a Leetcode course
- Partnering with CS Scholars to present professional and academic advice to underrepresented CS students

Projects

PINTOS | CS162 OPERATING SYSTEMS *JAN ~ MAY 2021*

- Extended the Pintos Operating System (written in C) to include user program support, process control syscalls, synchronization handling, priority thread scheduling, and a cached file system with extensible files
- Modeled inode structure after Unix FFS; optimized thread scheduling for semaphores & condition variables

WORKOUT WARS WEBSITE | CAL ULTIMATE FRISBEE *AUG 2020*

- Updated Cal Ultimate's workout logging website with improved data visualizations and login capability
- Worked with Django framework and sqlite3 database; deployed website with Linode, uWSGI, and Nginx

BLOCKCHAIN DEMO (PHOEBELI23.GITHUB.IO/BLOCKCHAIN/) | PERSONAL PROJECT *JUN 2020*

- Built a React webpage that educates users about Blockchain by letting them create, modify, and mine blocks
- Leveraged Crypto-JS for generating hash values, React-Bootstrap for styling, and asynchronous programming for displaying loading indictors

Skills

Java   Python   C   Javascript   HTML/CSS   React   NodeJS   ExpressJS   SQL   Git