

## Education

### UNIVERSITY OF CALIFORNIA, BERKELEY | COMPUTER SCIENCE B.A.

EXPECTED MAY 2023 | 3.94 GPA

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

## Experiences

### SOFTWARE ENGINEER INTERN | AMAZON

MAY – AUG 2021

- Designed and constructed a Java client with custom cache for Shop With Points (SWP) Config Service, a backend service that vends SWP partner configs, and integrated it with existing client packages
- Reduced service access latency by removing hardcoded configs and replacing w/ API calls to the Java client
- Created team-reviewed Design Doc. covering project timeline, implementation decisions, and future phases
- Dependency injected with Spring, applied Lombok Builder, & wrote Mockito Unit Tests with 100% coverage

### PROJECT MANAGER | NSEVP (BLUEPRINT)

JAN – JUN 2021

- Led a team of 5 developers and 1 designer to build a web dashboard for the Hawaiian non-profit NSEVP, in order to digitize and graphically visualize their food distribution and USDA safety certification programs
- Pioneered creation of project roadmap, assigned weekly sprint tasks, reviewed PRs, and ran work sessions
- Oversaw full stack development in React, Redux, NodeJS, & Airtable; deployed using Netlify and Heroku
- Directed team members to meet deliverable deadlines; presented project to NPO & campus community

### TECHNICAL LEAD | SIREN (BLUEPRINT)

AUG 2021 – PRESENT

- Building a multilingual mobile app with React Native, Expo, Typescript, and Firebase for the Services, Immigration Rights & Education Network to support immigrants in uploading & accessing legal information
- Setting up codebase, onboarding new developers, reviewing PRs, & supporting the PM in feature scoping

### COMMUNITY RELATIONS OFFICER | UPE, CS HONORS SOCIETY

JAN 2021 – PRESENT

- Leading a committee of six to organize cross-org events, alumni panels, and a Leetcode channel initiative
- Partnering with CS Scholars to present professional and academic advice to underrepresented CS students

## Projects

### PINTOS | CS162 OPERATING SYSTEMS

JAN – MAY 2021

- Collaborated with 3 team members to extend Pintos OS (written in C) to include user program support, process control syscalls, synchronization handling, priority thread scheduling, and extensible files
- Optimized thread scheduling for semaphores & condition variables; modeled inode structure after Unix FFS

### WORKOUT WARS WEBSITE | CAL ULTIMATE FRISBEE

AUG 2020

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

### BLOCKCHAIN DEMO ([PHOEBELI23.GITHUB.IO/BLOCKCHAIN/](https://phoebeli23.github.io/blockchain/)) | PERSONAL PROJECT

JUN 2020

- Built an educational webpage in React that allows user to create, modify, and mine blocks in a blockchain
- Utilized asynchronous programming for loading indicators, CryptoJS for hash values, & Bootstrap for styling

## Skills

Java   Python   C   Javascript   HTML/CSS   React + React Native   NodeJS   ExpressJS   SQL