Steven Huang

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EDUCATION

The University of California - Berkeley **Berkeley, CA**

B.A. Computer Science, Minor in Data Science - GPA: 4.0 *May 2024*

- **Relevant Coursework:** Data Structures & Algorithms, Computer Architecture, Databases, Operating Systems, Designing Information Devices & Systems, Discrete Math, Probability Theory, Linear Algebra, Data Science Principles, Circuits, Web Design

EXPERIENCE

DoorDash **San Francisco, CA**

Software Engineering Intern *May 2022 - Aug 2022*

- Worked on DoorDash's iOS Infrastructure Team, utilizing Swift, SwiftUI, and XCTest to develop the Consumer App's analytics events module (tracks user actions and settings) and network requests module (stores all backend network requests)
- Leveraged Swift data bindings and Combine publishers to implement modules with an MVVM architecture, separating domain logic from presentation logic and improving code modularization
- Utilized the XCTest framework to increase test coverage in the Consumer App, creating unit and snapshot tests for the app's restaurant view-models, commands, and displays

Aurora Solar **Berkeley, CA**

Software Developer *Aug 2021 - Dec 2021*

- Contracted by Aurora Solar through Berkeley Codebase to develop an admin portal using React.js, Blueprint.js, Docker, and Makefiles
- Utilized React hooks and the Fetch API to build a tenant space with full backend integration, enabling users to create and edit tenants
- Designed Dockerfiles and Makefiles to containerize the admin app and automate Docker image builds across different environments

Postman **Berkeley, CA**

Software Developer *Feb 2021 - May 2021*

- Contracted by Postman through Berkeley Codebase to create a suite of public cloud integrations, enabling Postman users to leverage Azure and AWS services in their APIs
- Chained HTTP requests to Azure and AWS service endpoints to develop a website management integration, allowing users to manage API Schema, design authentication flows, and create blobs in the cloud directly from Postman
- Wrote test scripts in Chai.js to parse API responses from various Azure services (Blob Storage, AD B2C, Repos) and AWS services (S3)

Berkeley Student Cooperative (BSC) **Berkeley, CA**

Software Developer *Aug 2022 - Dec 2022*

- Contracted by BSC through Cal Blueprint to develop a workshift portal using React, Typescript, Next.js, Firebase, and MaterialUI
- Leveraged MaterialUI components and the Firestore API to create a responsive web page that streamlines the process of shift assignment, incorporating a ranking algorithm that matches workers to shifts based on availabilities and preferences
- Devised the backend schema used to store members and shifts in Firebase, following principles of modularity and abstraction

Web Design Course Staff (CS 198) **Berkeley, CA**

Course Instructor *Jan 2021 - Present*

- Lecturing and creating homeworks for CS 198, the leading web development class at UC Berkeley with 120+ students per semester
- Helping students use HTML, CSS, Javascript, and Figma to build their own websites from scratch

PERSONAL PROJECTS

Java Version Control System – *GitHub available upon request*

- Built a Version Control System with Java that mimics Git's functionality, supporting commands like *commit*, *branch*, *merge*, and *checkout*
- Designed a SHA-1 file hashing system that uses HashMaps and Java's Serializable interface to efficiently persist file data in blobs

Sorting Visualizer – *Website, GitHub*

- Developed a responsive web application using React.js that animates various sorting algorithms to demonstrate how they operate
- Implemented Bubble Sort, Insertion Sort, Selection Sort, Merge Sort, Quick Sort, Heap Sort, Shell Sort, and Counting Sort

SKILLS

Languages

- Java, Python, Swift, C, RISC-V, HTML, CSS, Javascript, Typescript, SQL

Frameworks/Tools

- React, SwiftUI, Next.js, MaterialUI, Blueprint.js, NumPy, Pandas, XCTest, Chai.js, JUnit, Matplotlib, Git, GitHub, Figma, Postman, Azure, AWS, Firebase, Docker, Makefile