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, Designing Information Devices & Systems, Discrete Math, Probability Theory, Linear Algebra, Data Science Principles, Circuits, Computational Cognition Models, Web Design

EXPERIENCE

DoorDash **Seattle, WA**

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 of the backend's 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, Blueprint components, and the Fetch API to build a responsive tenant space with full backend integration, allowing users to edit, create, and search for tenants
- Designed Dockerfiles and Makefiles to containerize the admin app and automate Docker image builds across different environments, expediting web app deployment

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 (API Management, Blob Storage, AD B2C, Repos) and AWS services (S3, Cloudwatch)

Web Design (CS 198) Course Staff **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
- Performed tree traversals to navigate through commit history and merge various branches together

Pathfinding Visualizer → *GitHub*

- Utilized Java and JavaFX to develop a program that animates pathfinding and maze generation algorithms
- Designed interfaces and classes that leverage Java's polymorphism and inheritance features to improve code reusability and simplicity
- Implemented Dijkstra's, A*, BFS, DFS, Bidirectional BFS, Prim's Randomized Maze Generation, and Recursive Maze Division

SKILLS

Languages

- Java, Python, Swift, HTML, CSS, Javascript, SQL

Frameworks/Libraries

- React.js, Blueprint.js, SwiftUI, XCTest, Chai.js, NumPy, Pandas, JUnit, Selenium Webdriver, Matplotlib, Seaborn, Sklearn, Pygame

Tools

- Git, GitHub, Figma, Postman, Microsoft Azure, AWS, Docker, Makefile