Steven Huang

Berkeley, CA | huangsteven@berkeley.edu | 408-916-8891

linkedin.com/in/stevenshuang | github.com/stevenhuang010 | stevenhuang010.github.io

EDUCATION

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

B.A. Computer Science, Minor in Data Science - GPA: 4.0   *May 2023*

❖ **Relevant Coursework:** Data Structures & Algorithms, Designing Information Devices & Systems, Discrete Math & Probability Theory, Linear Algebra, Principles and Techniques of Data Science, Web Design

EXPERIENCE

Aurora Solar   **Berkeley, CA**

Software Developer   *Aug 2021 - Dec 2021*

❖ Contracted by Aurora Solar through Berkeley Codebase to develop a customer admin portal using React.js, Blueprint.js, Docker, and Makefiles

❖ Utilized React hooks, Blueprint components, and CSS media queries 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

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

Teaching Assistant   *Jan 2021 - Dec 2021*

❖ Lectured and created homeworks for CS 198, the leading web development class at UC Berkeley with 120+ students per semester

❖ Helped students use HTML, CSS, Javascript, and Figma to build their own websites from scratch

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)

PERSONAL PROJECTS

Sorting Visualizer ↱ *Website, GitHub*

❖ Developed a web application that animates various sorting algorithms to demonstrate how they operate

❖ Designed reusable React.js components to build an interactive front-end, letting users select a sort and control its animation duration

❖ Implemented Bubble Sort, Insertion Sort, Selection Sort, Merge Sort, Quick Sort, Heap Sort, Shell Sort, and Counting Sort

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 abstract away implementation details, simplifying animation and pathfinding code

❖ Implemented Dijkstra's, A*, BFS, DFS, Bidirectional BFS, Prim's Randomized Maze Generation, and Recursive Maze Division

SKILLS

Languages

❖ Java, Python, HTML, CSS, Javascript, SQL, Markdown

Frameworks/Libraries

❖ React.js, Blueprint.js, Chai.js, NumPy, Pandas, JUnit, Selenium Webdriver, Matplotlib, Seaborn, Sklearn, Pygame, JavaFX

Tools

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