Steven Huang

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EDUCATION

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

B.A. in Computer Science, Minor in Data Science - GPA: 4.00   *Aug 2020 - Dec 2023*

- ❖ **Relevant Coursework:** Data Structures & Algorithms, Computer Architecture, Database Systems, Operating Systems, Designing Information Systems, Computer Security, Discrete Math, Probability, Linear Algebra, Data Science Principles, Circuits, Web Design
- ❖ **Teaching Experience:** Web Design (Instructor, CS 198), Databases (Teaching Assistant, CS 186), Efficient Algorithms (Reader, CS 170)
- ❖ **Activities:** Kleiner Perkins Engineering Fellow, Berkeley Codebase, Cal Blueprint

EXPERIENCE

Notion   **San Francisco, CA**

Software Engineer • User Engagement   *Sep 2024 - Present*

- ❖ Driving users to discover, learn, and collaborate through Notion!

Notion   **San Francisco, CA**

Software Engineering Intern • Editor   *May 2024 - Aug 2024*

- ❖ Improved the reliability and scalability of Presence, ensuring Notion reliably and efficiently shows who is on a page and where they are
- ❖ Refined client-side and server-side protocols for logging page visits and exits, raising the data reliability and accuracy of Presence
- ❖ Restructured Presence data to be more lightweight, reducing Presence's average message size by 85% and max message size by 99%
- ❖ Utilized React and Typescript to add error handling for linked images, displaying error components when image links are unavailable
- ❖ Built support for simultaneous foreground and background text colors, revamping Notion's color picker to accommodate this feature

Zip   **San Francisco, CA**

Software Engineering Intern • Infrastructure   *June 2023 - Aug 2023*

- ❖ Built a cloud-hosted developer environment (devbox) that reduced setup time by 95% using Bash Scripting and AWS (EC2, AMI)
- ❖ Automated the creation and management of devboxes for 200+ engineers, turning devboxes into the primary developer setup at Zip
- ❖ Implemented a cost-saving AWS Cloudwatch alarm system that automatically stops devboxes with low CPU utilization
- ❖ Cut AWS OpenSearch reindex time by 40%, using database sharding to split up work and Kubernetes pods to parallelize reindexing
- ❖ Leveraged job duration logs stored in AWS S3 to dynamically rebalance job assignments for parallel workers, distributing work evenly

DoorDash   **Seattle, WA**

Software Engineering Intern • iOS Infrastructure   *May 2022 - Aug 2022*

- ❖ Created the Consumer App's analytics module (tracks user actions) and network module (tracks API requests) using Swift and SwiftUI
- ❖ Leveraged Swift data bindings and Combine publishers to develop modules with an MVVM architecture, improving code modularity
- ❖ Created unit and snapshot tests with XCTest for restaurant view-models and displays, increasing the Consumer App's test coverage

Aurora Solar   **Berkeley, CA**

Software Developer • Berkeley Codebase   *Aug 2021 - Dec 2021*

- ❖ Developed an admin portal with React and Javascript that helps admins search for and update customer data (energy use, billing, etc.)
- ❖ Designed Dockerfiles and Makefiles to containerize the admin app and automate Docker image builds across different environments

Postman   **Berkeley, CA**

Software Developer • Berkeley Codebase   *Jan 2021 - May 2021*

- ❖ Built a suite of public cloud integrations that helps Postman users leverage Azure and AWS services (17k+ views, 400+ forks)
- ❖ Chained requests to Azure and AWS 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

Berkeley Student Cooperative   **Berkeley, CA**

Software Developer • Cal Blueprint   *Aug 2022 - May 2023*

- ❖ Utilized React, Typescript, and Firebase to build a portal that streamlines workshift management for housing supervisors and workers

SKILLS

Languages

- ❖ Python, Java, Javascript, Typescript, SQL, Go, Swift, C, HTML, CSS, R, RISC-V Assembly, x86 Assembly

Frameworks/Tools

- ❖ React, AWS, Azure, Redis, PostgreSQL, Firebase, Git, Datadog, SwiftUI, XCTest, Bash Scripting, NumPy, Pandas