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 • 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
- ❖ Tracked transport reliability for real-time Presence updates with Datadog, reaching 99.9% by resending dropped websocket messages
- ❖ 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 the average message size and Redis memory usage of Presence by 85%
- ❖ 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*
- ❖ Automated the creation and management of cloud-hosted development environments (devboxes) for 200+ engineers
- ❖ Utilized Bash Scripting, SSH tunneling, and AWS (EC2, Cloudwatch, OpenSearch) to launch devboxes pre-configured with Zip's developer dependencies, reducing setup time by 95% and becoming the primary development setup at Zip
- ❖ Implemented a cost-saving Cloudwatch alarm system that automatically stops devboxes with low CPU utilization
- ❖ Reduced 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*
- ❖ Developed the Consumer App's analytics events module (tracks user actions) and network requests module (stores all API requests) using Swift, SwiftUI, and XCTest
- ❖ 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*
- ❖ Built an admin portal with React and Javascript that helps admins search for and update customer data (energy use, financing, 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*
- ❖ Created a suite of public cloud integrations that enables Postman users to leverage Azure and AWS services in their APIs (17k+ views)
- ❖ 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
- ❖ Java, Python, Go, Swift, C, HTML, CSS, Javascript, Typescript, SQL, R, RISC-V Assembly, x86 Assembly

Frameworks/Tools
- ❖ React, AWS, Azure, Docker, Kubernetes, Redis, SwiftUI, Redux, Firebase, XCTest, Bash Scripting, NumPy, Pandas, Datadog, Git, Figma