

# Steven Huang

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## EXPERIENCE

### Notion

San Francisco, CA

Software Engineer • Engagement / Collaboration

Sep 2024 - Present

- ❖ Launched Notion's Recommended Pages email to 3M+ users/week, increasing Notion WAU by 2.2% (53% Open Rate, 6% CTR)
- ❖ Revamped Notion's Page Updates email with higher-signal updates and a more intuitive design, growing reach to 1.5M+ users/week (53% → 62% Open Rate, 5% → 7% CTR)
- ❖ Designed and built a flexible system for scheduling and rendering emails using React, Typescript, PostgreSQL, DynamoDB, and Redis Queues, streamlining the creation of new product emails and scaling to 5M+ emails/week
- ❖ Scoped, developed, and launched Library, a full-page file browser that helps users organize, discover, and navigate across pages
- ❖ Led a project to improve sidebar scalability and performance, building a unified, paginated endpoint for efficient data fetching, adding client-side and server-side caching for faster sidebar renders, and migrating to a normalized data model built on fractional indexing
- ❖ Reduced inbox clutter by introducing grouped notifications, consolidating bursty, high-volume notifications into a single inbox update
- ❖ Streamlined comment-based collaboration by adding read/unread states to highlight new discussions and a triage interface to surface actionable conversations

### 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%
- ❖ 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.)

### Postman

Berkeley, CA

Software Developer • Berkeley Codebase

Jan 2021 - May 2021

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

## 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, Data Science Principles, Circuits, Web Design, Discrete Math, Probability, Linear Algebra
- ❖ **Teaching Experience:** Web Design (Instructor), Databases (Teaching Assistant), Efficient Algorithms (Reader)
- ❖ **Activities:** Kleiner Perkins Engineering Fellow, Berkeley Codebase, Cal Blueprint - Tech for Social Good

## SKILLS

### Languages

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

### Frameworks/Tools

- ❖ React, AWS, PostgreSQL, DynamoDB, Redis, Kafka, Firebase, Git, Pandas, DBT, Snowflake, Datadog, Grafana, Splunk, SwiftUI, XCTest