

Ethan Chennault

San Leandro, CA • (510) 457-5290 • ethan.chennault.net • ethanolchennault@gmail.com

Summary

Full-stack developer and Computer Science student at the University of California, Irvine, passionate about building beautiful user interfaces, scalable backends, and data-driven applications.

Technical Skills

Programming Languages

JavaScript (TypeScript), Python, Go, C/C++, Java

Database Technologies

SQL, Postgres, Firebase, MongoDB, AWS

Web Technologies

React, Vue, Express, Next.js, Remix, Tailwind

Tools

Git, Linux, Docker, Figma, Jira

Experience

Lawrence Berkeley National Lab

June 2025 - Present

Student Assistant

Berkeley, CA

- Developed the UI for TerraNova, an open-source network visualization tool, using React, Tailwind, and FastAPI.
- Designed, built, and documented a full design system, with 30+ WCAG-compliant components, using Figma, web components, Storybook, TypeScript, and SCSS.
- Implemented visual regression and interaction tests using Playwright and Jest, preventing frontend issues.

University of California, Irvine

Nov 2024 - Present

Research Assistant

Irvine, CA

- Developed self-hosted web frontend allowing hundreds of scientists to spawn long-running research jobs on university servers using TypeScript and Express.js.
- Optimized multithreaded random sampling for BLANT, a C graph sampling and alignment tool, allowing for a 16x speedup in runtime on Linux systems.

Hewlett Packard Enterprise

May 2021 - Aug 2021

Engineering Intern

Remote

- Developed a Python data-retrieval script to remotely query live production servers for traffic metadata.
- Created suites of tests with Pytest to ensure code quality across Windows and Linux systems.

Education

University of California, Irvine

September 2023 - Present

B.S. in Computer Science, B.S. in Business Information Management (Expected 2027)

GPA: 3.83, Dean's Honor List

Projects

Sense (Personal Finance Application)

Developed a personal budgeting app to track and limit spending across several accounts.

- Utilized Next.js and React with server-side rendering and optimistic UI for instantaneous loading.
- Implemented a REST API to access data in a Postgres database, able to handle over 1,000 users and budgets.
- Hosted the frontend on Vercel, providing users fast and reliable loading.

Facets (Online Stickyboard)

Built an online stickyboard forum to post ideas and foster connections.

- Implemented a real-time stickyboard and chat with Supabase, supporting up to 200 concurrent users.
- Incorporated AWS Lambda with cron-based scheduling to create automated daily posts.
- Leveraged Prisma ORM to create data models schema and store them in a Postgres database.

Search Engine (Python Web-Crawler and Document Indexer)

Created a Python application to download and index over 50,000 documents.

- Utilized multithreading to manage a ranked document retrieval with below 100 millisecond query time.