

# Ethan Chennault

2361 Pacific View Ct, San Leandro • (510) 457-5290 • ethan.chennault.net • ethanolchennault@gmail.com

## Summary Statement

---

Motivated and ambitious student, currently studying business and computer science at University of California, Irvine. Interested in positions that increase exposure to industry tools while bolstering experience in several fields of software engineering, including web applications, information retrieval, and project management.

## Technical Skills

---

### Programming Languages

Javascript, Typescript, Python, C++, Java

### Database Technologies

SQL, Postgres, Firebase, Supabase, AWS, MongoDB

### Web Technologies

HTML, CSS, React, Tailwind, Express, Next.js, Remix

### Workflow Tools (and other)

Git, GitHub, Linux, Docker, Figma, Drizzle, Prisma

## Experience

---

### Student Assistant

Lawrence Berkeley National Labs

June 2024 - Present

Berkeley, CA

- Implemented and documented a full design system consisting of several dozen user interface components from Figma design specifications using React, Typescript, Storybook, and SCSS.
- Wrote tests utilizing snapshot testing with Jest and Playwright to provide consistency and 100% code coverage.

### Research Assistant

University of California, Irvine

Nov 2024 - Present

Irvine, CA

- Implemented multithreading for BLANT, allowing an up to 16 times increase in run time via parallelism.
- Optimized the Makefile for BLANT, a graph analysis research tool, reducing build time by 20 percent.
- Utilized React and Express in the development of web applications and interfaces for research projects.

### Summer Technology Intern

Alameda County Information and Technologies Department

June 2022 - Aug 2022

Oakland, CA

- Configured and repaired private networks systems with components switches, firewalls, and routers, allowing for faster communications and network connection in three new buildings.
- Uninstalled and disk wiped nonessential servers in the Oakland data center, optimizing the network.

### Engineering Intern

Hewlett Packard Enterprise

May 2021 - Aug 2021

Remote

- Developed a Python script, to allow developer querying speed of real HPE customer servers.
- Created suites of unit and integration tests to ensure code quality across Windows and Linux operating systems.

## Education

---

### University of California, Irvine

B.S. in Computer Science, B.S. in Business Information Management

September 2023 - Present

GPA: 3.83, Dean's Honor List

Relevant Coursework: Data Structures & Algorithms, Information Retrieval, Intermediate Programming

### San Leandro High School

August 2019 - June 2023

## Projects

---

- **Search Engine:** Web search engine capable of handling over fifty thousands of documents, utilizing ranked retrieval based on tf-idf, and having a query response time of 100 milliseconds.
- **Sense:** Fullstack web application for managing a personal budget, inspired by YNAB, utilizing Postgres to handle hundreds of users and budgets, stored on a Postgres database with a React/TS frontend.
- **Redrawer:** Python script for re-creating images on Microsoft Paint by analyzing pixel color information and utilizing the Win32 API to efficiently redraw images with widths of up to 4 thousand pixels.

## Additional

---

**Languages:** English (Native), Mandarin (Conversational)

**GitHub:** <https://github.com/3than0ls>

**Extracurriculars:** VP of Membership Development at Sigep, Cal Beta Alpha, volunteering at San Leandro Food Pantry