

SERJO BARRON

📍 Sacramento, CA • 📞 916-584-5289 • ✉ serjobarron@gmail.com • 💻 [Portfolio](#) • [LinkedIn](#) • [GitHub](#)

EXPERIENCE

Software Engineer Intern

10/2025 – Present

BotStacks – San Francisco, CA

- Engineered onboarding flows using React and Next.js, reducing time-to-first-chatbot by 40% through streamlined UX improvements for SaaS platform.
- Migrated 50+ technical documents to BookStack using Docker, establishing standardized documentation practices.
- Developed dashboard UI components with React, TypeScript, and Tailwind CSS, implementing paginated views and responsive layouts for project management.

Computer Systems and C Programming Reader

09/2023 – 06/2024

Baskin School of Engineering – Santa Cruz, CA

- Graded and provided feedback on weekly lab reports for 200+ students in systems programming and C.
- Explained technical concepts clearly to support student learning and LaTeX formatting conventions.

Tech Manager

09/2023 – 06/2024

Slug Anime and Manga Association – Santa Cruz, CA

- Managed AV, streaming, and live troubleshooting for weekly meetings and SlugCon, a 1000+ person convention.
- Coordinated technical logistics and relayed setup plans across officers, volunteers, and event partners.
- Provided ongoing tech support and contributed to outreach and event funding initiatives.

PROJECTS

LoFi Scape

10/2025

React, Next.js, Tailwind CSS, Youtube Player API, Vercel

Engineered a minimal web application using the Youtube iFrame Player API to blend lofi music with custom ambient soundscapes, creating a focused, distraction-free environment.

Chromatica

09/2025 – 10/2025

React, Next.js, Tailwind CSS, Node.js, Prisma & PostgreSQL, Spotify API, Vercel

Engineered a full-stack web application that leverages the Spotify API, OAuth, and PostgreSQL to analyze user listening data and generate unique color palettes based on your top tracks and artists.

Kept

07/2025 – 08/2025

React, Vite, Firebase/Firestore, Node.js

Developed and deployed a productivity scheduler web application with a gamified system of XP, badges, and animations that increased user engagement by an estimated 20%.

SmartMirror

01/2024 – 06/2024

React/React Native, Node.js, Electron, Python, BLE, Raspberry Pi

Developed an IoT device and mobile app designed to reduce phone reliance in the morning and improve mental health. Orchestrated a real-time data exchange pipeline that achieved sub-second data transfer via Bluetooth Low Energy (BLE), enabling seamless communication between a Raspberry Pi and a React Native mobile app.

SKILLS

- **Programming Languages:** Python, C, C++, JavaScript, TypeScript, HTML, CSS, Verilog
- **Frameworks & Libraries:** React, Next.js, Node.js, Express.js, Tailwind CSS, Vite, Electron, Firebase, Prisma
- **Databases:** PostgreSQL, Firestore
- **Tools:** Git, GitHub, Vercel, CI/CD, Docker, REST APIs, Visual Studio, Figma, LaTeX

EDUCATION

University of California, Santa Cruz

09/2020 – 06/2024

Bachelor of Science – Computer Engineering - **GPA:** 3.70