

Joshua Hsieh

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EDUCATION

San Jose State University

San Jose, CA

B.S in Software Engineering, Minor in Business

Aug. 2023 – May 2026

- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Assembly Language, Computer Architecture, Discrete Mathematics

EXPERIENCE

Delta Dental

June. 2025 - Aug. 2025

Salesforce Developer Intern

Oakland, CA

- Incoming summer 2025

SJSU College of Engineering

Jan. 2025 - Present

Software Engineering Intern

San Jose, CA

- Contributed to a student-built platform that allows professors to provide feedback on student performance anonymously, reversing the traditional “Rate My Professor” dynamic.
- Collaborated with a team of 6+ developers in weekly stand-ups, gaining exposure to version control (Git), project sprints, and full-stack best practices.

Theta Tau Professional Engineering Fraternity

Dec. 2024 - Feb. 2025

Rush Chair

San Jose, CA

- Spearheaded outreach and recruitment strategy for 100+ prospective members during rush week, driving a 25% increase in chapter engagement and candidate turnout.
- Partnered with executive board to plan and execute 5+ professional development, networking, and alumni events, enhancing visibility and member growth.

PROJECTS

R.E.R.S | *Next JS, FastAPI, PostgreSQL, Mapbox*

- Developed a full-stack emergency dispatch web application enabling authorized personnel to monitor and respond to incidents in real time, improving communication and response efficiency.
- Built a secure user authentication system using Firebase Authentication and admin-user role separation, ensuring access control across 100% of application endpoints to protect sensitive emergency data.
- Integrated a responsive frontend with React.js and optimized backend APIs with FastAPI, achieving a sub-200ms average API response time for incident reporting and status updates.

BuddyUp | *FastAPI, PostgreSQL, Firebase Auth, React, Electron.js*

- Building a social accountability platform for college students to track goals, reflect on habits, and support one another through buddy systems.
- Engineered a modular FastAPI backend with PostgreSQL and Firebase Auth to support secure task management and real-time buddy linking.
- Implemented structured event logging to enable future analytics features like behavioral insights and ML-based progress tracking.
- Packaged the app into a cross-platform desktop client using Electron.js, designed for seamless deployment on Windows, macOS, and Linux.

ToGoBot | *FastAPI, React, Firebase, Google APIs, Uvicorn*

- Developed an autonomous food delivery robot with a 17-member team, integrating real-time location tracking and obstacle avoidance logic.
- Engineered a FastAPI + Uvicorn backend to stream live coordinate data via HTTP for dynamic robot location updates.
- Built a React-based web dashboard with Google Service APIs and Firebase Auth, enabling secure access and robot status monitoring.

TECHNICAL SKILLS

Languages/Frameworks: JavaScript, Python, C++, SQL (Postgres), Java, HTML/CSS, R

Developer Tools: Git/Github, Docker