

Joshua Hsieh (U.S Citizen)

San Francisco Bay Area | hsiehjoshua424@gmail.com | [linkedin.com/in/joshua-hsieh](https://www.linkedin.com/in/joshua-hsieh) | (669) 251-7685 | <https://github.com/joshuahsieh24>

EDUCATION

San Jose State University

Expected Graduation: May 2026

Bachelor of Science, Major in Software Engineering, Minor in Mathematics

TECHNICAL SKILLS

Languages: Python, Java, SQL, C++, JavaScript, TypeScript, Assembly

Backend & DevOps: FastAPI, Express.js, Docker, PostgreSQL, MongoDB, Firebase Auth, AWS RDS

Tools: Git, REST APIs, Agile/Scrum, Firebase, Unit & Integration Testing

Coursework: Data Structures & Algorithms, Computer Architecture, Software Engineering, Assembly, Data Analytics

PROJECTS

BuddyUp

February 2025 - Present

Full Stack

- Built a scalable, modular backend using FastAPI, PostgreSQL, and Firebase Auth for a productivity platform supporting 50+ daily active users.
- Designed and deployed RESTful APIs enabling secure user authentication, task tracking, and buddy linking.
- Implemented user event logging to support future machine learning insights and personalized progress metrics.
- Packaged app as a cross-platform desktop client with Electron.js, targeting Windows/macOS/Linux.

ToGoBot

March 2024 - May 2024

Collaborator (Systems Integration)

- Contributed to the development of a React UI for real-time robot status and control.
- Integrated low-latency communication protocols to display autonomous robot data live during testing sessions.

Spartan Yap (spartanyap.onrender.com)

February 2024 - March 2024

Backend + Auth Integration

- Developed a secure login system using Firebase Authentication for a university-facing social platform.
- Integrated protected routes and session management, enabling 100+ students to access role-specific features securely.
- Contributed to scalable routing architecture and backend logic supporting consistent performance.

LEADERSHIP EXPERIENCE

Theta Tau Professional Engineering Fraternity

Santa Jose, CA

Rush Chair

November 2024 - February 2025

- Coordinated and led outreach and recruitment for 100+ prospective members during rush week, increasing chapter engagement by 25%.
- Collaborated with executive board to plan and execute professional development and networking events.
- Strengthened communication and event planning skills while balancing a full course load and part-time work.

Legarza Sports

San Jose, Cupertino, San Mateo, Palo Alto, CA

Basketball/S.T.E.A.M. Coach

Jun 2023 - August 2024

- Mentored 100+ students ages 6–14 in athletics and STEM activities; maintained high parent satisfaction with daily feedback.
- Delivered consistent leadership and mentorship during full-time 40+ hr/week summer sessions.

CERTIFICATES/AWARDS

Certificate of Computer Information Systems

San Jose, CA

Issued by Mission College

May 2023