

# Oliver Majano

olivermajano01@gmail.com | (831)-512-2453 | LinkedIn: [in/olivermajano](https://www.linkedin.com/in/olivermajano) | GitHub: [github.com/iOliver678](https://github.com/iOliver678)

## **EDUCATION**

### **San Jose State University**

**San Jose, CA**

*B.S. in Computer Science*

*May 2027*

- o **GPA:** 3.8/4.00, *Dean's List*

- o **Related Coursework:** Data Structures & Algorithms, Computer Systems, Discrete Math, Object Oriented Programming

## **EXPERIENCE**

### **Software & Computer Engineering Society**

**San Jose, CA**

Intern Lead

*December 2024 - January 2025*

- Led a club internship, managing a team of 4 software engineering students to develop a dynamic leaderboard for 100+ users
- Queried LeetCode's GraphQL API to track user stats weekly, storing progress in an SQLite database for persistence
- Developed a FastAPI backend to process requests, update rankings, and serve real-time leaderboard data
- Engineered a Raspberry Pi system with a HUB75 HAT, chaining four LED panels for dynamic leaderboard display
- Designed a frontend with user registration, real-time previews, and an admin dashboard for user management and rankings.

### **SJSU College of Engineering**

**San Jose, CA**

*SWE Intern*

*June 2024 - July 2024*

- Developed and deployed a URL shortening service using FastAPI, SQLite, Docker, and React for a club with 500+ users
- Designed a scalable backend architecture using SQLite for efficient URL storage and HTTP 302 redirection
- Implemented a responsive frontend using React, ensuring seamless user interaction and fast loading times
- Tracked performance metrics such as redirect response times and error rates to improve system reliability

## **PROJECTS**

### Canvai

*Next.js, TypeScript, Python, Supabase, FastAPI*

- Built the backend of a Chrome extension using Gemini 2.0 Flask, implementing AI-driven tools with functional tool calling.
- Developed AI-powered Canvas tools to fetch assignments, search files, and sync deadlines with Notion/Google Calendar.
- Designed so it integrates with Canvas, providing intelligent search, assignment tracking, and AI-assisted task management.

### **Stock Tracker**

*React, REST API, JavaScript, Python*

- Built a real-time stock tracking app using React and integrated the Finnhub API to display stock prices
- Managed state and user input with React hooks, implemented controlled components for seamless interaction
- Enabled dynamic data fetching bound to user actions, enhancing interactivity and a responsive experience
- Utilized conditional rendering to provide real-time feedback, ensure accurate and user-friendly display of data

### **NutriLense – AR Nutrition Assistant**

*Snap Spectacles (Beta), JavaScript, TypeScript, Python, FastAPI*

- Developed a voice-activated AR app using Snap Spectacles for real-time food recognition and nutritional analysis
- Built a Python FastAPI backend to process frame captures, delivering nutritional insights with a 2-second response time
- Implemented a voice-command functionality that provided meal suggestions based on user-provided ingredients

### **Reverse Rate My Professor**

*React, Java, SpringBoot, SQL*

- Developed a full-stack React and Spring Boot web app to rank professors for classes
- Applied sorting algorithms and used lists and maps to efficiently rank professors and retrieve class-specific results
- Built RESTful APIs to handle professor ratings and connect React frontend to a MySQL database

## **LEADERSHIP & EXTRACURRICULARS**

### **Software & Computer Engineering Society**

**San Jose, CA**

*Dev Team Lead*

*August 2024 – Present*

- Lead the development team in planning and executing software projects, overseeing from planning to deployment.

## **SKILLS**

- **Languages:** Python, Java, JavaScript, SQL, HTML/CSS
- **Frameworks:** React, FastAPI, Express, JavaSwing, Next.js
- **Tools:** Git, Postman, MySQL, SQLite, Postgres, SpringBoot, MongoDB, Docker