

# Oliver Majano

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## EDUCATION

### San Jose State University

San Jose, CA

B.S. in Computer Science

May 2027

- **Related Coursework:** Data Structures & Algorithms, Discrete Math, Object-Oriented Programming, OS, Computer Systems
- **Leadership:** President – SCE (Software & Computer Engineering Club), SJSU (25-26)

## EXPERIENCE

### Salesforce

San Francisco, CA

Software Engineer Intern

June 2025 - August 2025

- Built an internal MCP server to connect with Salesforce-managed databases, enabling dynamic role-based data modifications
- Prototyped a data orchestration layer showing how MCP endpoints can streamline AI-driven CRM workflows
- Integrated Slack and Gmail to retrieve key sales insights from unstructured communications, cutting retrieval time by 65%
- Delivered a functional prototype to platform engineering leadership, meeting security and integration standards

### Software & Computer Engineering Society

San Jose, CA

Development Team Lead

August 2024 - May 2025

- Led a team through the full development lifecycle, ensuring seamless execution and timely project delivery
- Integrated third-party APIs and restructured database schema, reducing data latency by 40% and cutting query times by 25%
- Developed scalable backend solutions to handle real-time data processing, ranking, and user interactions
- Optimized software architecture to improve system functionality, enhancing real-time display performance

### SJSU College of Engineering

San Jose, CA

Software Engineer 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

### A.V.A

Python, FastAPI, Groq, Perplexity, LangChain, ElevenLabs

- Engineered a voice-controlled browser assistant with a 90% command execution accuracy by refining AI orchestration
- Tackled slow AI response times by implementing Groq and Perplexity Sonar, reducing latency by 65%
- Developed agentic AI solution with LangChain, enabling users to automate email writing and flight booking
- Won Best Multimodal Use of Groq prize against 36 competing teams

### NutriLens – 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

### Nova

React, FastMCP, Python, Express, FastAPI, Supabase

- Designed and implemented architecture supporting multi-source data aggregation, real-time analysis, and insight generation
- Built an MCP client-server framework for an AI chatbot retrieving and synthesizing information from connected data sources
- Optimized the data processing workflow, reducing average end-to-end latency from 210 seconds to 65 seconds
- Developed a secure, scalable infrastructure enabling multi-user workspaces and live insight updates

### LED Leetcode Leaderboard

Python, React, SQLite, Raspberry Pi

- Designed and developed a dynamic leaderboard for 100+ users, coordinating a team of four software engineering students
- Integrated 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

## SKILLS

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