

# Timothy Ou

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## Education

**California State University, Fullerton** – B.S. in Computer Science (GPA: 3.88/4.00) Aug 2024 – May 2028

## Experience

**ChatGPT Lab Member**, OpenAI – Fullerton, CA Mar 2026 – Present

- Selected for a **50**-student cohort to research AI use cases and source student workflow data via peer workshops
- Captured user experience data from **300+** students to analyze and influence OpenAI feature development

**Embedded Tutor**, CSUF – Fullerton, CA Jan 2026 – Present

- Provide technical mentorship to **30+** students via 1-on-1 code reviews to improve C++ proficiency and grades
- Partner with faculty to guide Introductory Programming labs and lead individual student tutoring sessions

**Figma Campus Leader**, Figma – Fullerton, CA Aug 2025 – Present

- Synthesize feedback from **5,000+** students into actionable insights for the global product roadmap
- Scaled the on-campus design community to **120+** participants by leading workshops and brand adoption events

**Volunteer IT/Web Administrator**, Caltech – Pasadena, CA Jun 2025 – Aug 2025

- Migrated the Mineral Spectroscopy web server from Apache 2.2/Win 7 to 2.4/Win 11, refactoring legacy configuration files and conducting system validation to secure access for **10,000+** global users
- Recovered **80GB+** of critical research data and software from failing hardware via disk imaging and manual file-system reconstruction, ensuring **100%** data integrity for the division

## Leadership and Extracurricular

**Director**, FullyHacks – Fullerton, CA Sep 2024 – Present

- Managed logistics and venue operations for **300+** attendees while overseeing an **\$8,500** event budget
- Directed outreach to **500+** tech companies, increasing sponsorship funding by **180%** for the 2026 season

**Open Source/Marketing**, Association for Computing Machinery – Fullerton, CA Jan 2025 – Jun 2026

- Led weekly technical workshops and managed **3+** open-source projects for **80+** student contributors via GitHub
- Leveraged Figma for campaigns reaching **7,000+** users, driving a **35%** engagement boost and **300+** attendees

## Projects

**Policy Intelligence Assistant** | *React, TypeScript, FastAPI, AWS (Bedrock, Lambda, DynamoDB, CDK), Strands SDK*

- Built a 6-agent RAG pipeline on AWS Bedrock to detect policy conflicts across CSUB's **167-page** handbook
- Deployed an AWS CDK stack to automate policy reviews, cutting **\$10k** per cycle and **10** reviewer workloads

**Version Control for AI** | *React, TypeScript, FastAPI, MongoDB, D3.js, Ollama, Tailwind CSS, ASUS Ascent GX10*

- Built a DAG-based AI chat platform (branch, merge) cutting context re-transmission **20%** via node forking
- Orchestrated **4** LLMs across **19** Fetch.ai uAgents on Agentverse via Chat Protocol for DAG operations

**AI Recipe Assistant** | *React, Tailwind CSS, Supabase, Clerk, Letta, Gemini API*

- Developed an AI assistant to automate meal planning through real-time inventory tracking and user profiles
- Integrated Letta and Gemini 2.5 Flash for persistent pantry memory and structured JSON recipe generation

**GitHub Stats CLI Tool** | *Python, GitHub API*

- Implemented PR/commit collectors and dispatch layer for **6** metrics across **59** repos in the acmcufoss org
- Optimized cache staleness thresholds across **59** org repos, raising coverage to **53/59** and cutting API calls **15%**

## Technical Skills

**Languages:** C++, TypeScript, JavaScript, Python, SQL, HTML/CSS, x86 Assembly, R

**Developer Tools:** React, FastAPI, Supabase, MongoDB, AWS, Strands SDK, Claude Code, Codex, D3.js, Figma