

Raymond Zou

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EDUCATION

University of California, Los Angeles (UCLA)

Los Angeles, CA

B.S. Computer Science · GPA: 3.96

Expected Jun 2029

Relevant Coursework: Data Structures (CS 32), Software Construction (CS 35L), Multivariable Calculus (Math 32A/32B), Linear Algebra (Math 33A/115A), Differential Equations (Math 33B), Discrete Math (Math 61)

SKILLS

Languages: Python, C++, JavaScript/TypeScript, HTML/CSS

Frameworks & Tools: React, React Native (Expo), Express.js, AWS, DynamoDB, Supabase, Git, Figma

AI / ML: LLM benchmark design, neural networks, tool-calling evaluation

Other: Graphic Design, UI/UX, Data Visualization

EXPERIENCE

AI Benchmark Engineer (Contractor) · Architect AI

Oct 2025 – Present

- Developed 300+ benchmark tests across TAU, TAU², and TAU-Mobile environments to evaluate LLM tool-calling accuracy and expose agent vulnerabilities.
- Led 2 contractors to build an entire TAU² simulation environment from scratch, including dummy APIs and backends with realistic business logic.
- Designed adversarial LLM user prompts to probe and surface weaknesses in Claude Opus and other frontier models within agent systems.
- Authored system prompts to harden agent behavior and reduce prompt-injection vulnerabilities in multi-turn tool-calling workflows.

Co-Founder & Frontend Lead · Fitica (C-Corp)

Sep 2025 – Present

- Co-founded an AI fitness and nutrition iOS app built with React Native (Expo), AWS Lambda, and DynamoDB; led UI/UX design and frontend development.
- Shipped an AI workout designer that personalizes routines using user goals, experience level, schedule, and historical workout data.
- Built a nutrition tracker that estimates macros (calories, carbs, fat, fibre) from photos of meals.
- Integrated Apple HealthKit for step tracking, scraped UCLA dining hall menus for accurate on-campus nutrition data, and added Apple IAP monetization.

Officer & Web Developer · ACM Studio @ UCLA

Nov 2025 – Present

- Maintain the club website (React static site with Notion CMS integration) for UCLA's largest game-development club.
- Built a Python Discord bot to automate club operations and facilitate member engagement.
- Host workshops, social events, and design promotional graphics for game jams and club events.

PROJECTS

SwiPr — Meal Swipe Exchange Platform · React · Express · Supabase

Jan 2026 – Present

- Building a web platform that connects UCLA students to trade dining hall meal swipes, addressing a common student pain point.
- Full-stack: React frontend, Express.js REST API backend, Supabase (PostgreSQL) database; CS 35L capstone project.

Physics & Chemistry Simulations · TypeScript · JavaScript · HTML

2023 – 2024

- Built interactive simulations from scratch including an electric field visualizer, n-body gravity simulator, ideal gas model, and chemical kinetics simulator.
- Collaborated with an AP Chemistry teacher; demos are now used in classroom instruction.

Handwritten Digit Recognizer · Python · NumPy · Neural Network

2024

- Implemented a neural network from scratch with forward/back-propagation, gradient descent, and mini-batch training to classify handwritten digits, all without the use of ML libraries.