

Ada He

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Education

University of California, San Diego

Aug 2022 - Jun 2026

B.S. Cognitive Science (Specialization in Machine Learning), Minors: Computer Science, Design

GPA: 3.8/ 4.0; Awards: Ernest C. Mort Leadership Excellence Award

Experience

Infosys (Bengaluru, Karnataka, India)

June 2025 - Aug 2025

Software Engineering Intern - InStep Global Internship

- Migrated high-visibility proof-of-concept LLM-based code modernizer tool from static Streamlit template to **HTML/CSS/JS** frontend, integrated with **Python** backend using **Flask**
- Rewrote backend LLM prompts using **GPT prompt-engineering** techniques, yielding **133% more detailed** outputs

UCSD Library Technology & Digital Experience Team (La Jolla, CA)

Nov 2023 - Present

User Experience Designer / Inclusive Web Development Intern

- Generated prototypes on **Figma** to redesign a 24/7 Chat with a Librarian feature deployed to all **20k+ UCSD Library users**; served as product manager for team of 3, defining design-to-development procedure
- Guided **end-to-end development** of 4 web projects (new search filters, digital archive redesign, space availability signage, endowments webpages) accessed by **5k+ users annually**, using **Agile** methods and Figma's tool suite
- Raised web accessibility scores above industry standard by adding alt text and debugging HTML in the library's Content Management System, **helping department win UCSD's Inclusive Excellence Award**

UCSD Association for Computing Machinery - ACM (La Jolla, CA)

Jan 2023 - May 2025

Frontend Web Developer

- Made UI improvements (examples: dark mode, "add events to calendar" button) for website of student organization that hosts tech-education events for **3k students annually**, using **Typescript** and **React**
- Implemented search bar feature allowing 70+ ACM staff members to search API of past events
- Developed 2 webpages (About page, Merch Collections page) for redesign of website's membership portal, logging interactions from **1k registered members**

Projects

[Denteel](#) | Technologies: Next.js, Github, Figma, Arduino IoT

- **Sponsor prize winner**, best use of Arduino IoT Cloud, *TreeHacks 2023*; selected **out of 293 teams**
- Designed and coded **Next.js** app that lets patients send discomfort levels to dentists via Arduino remote with team of 3

[Asteria](#) | Technologies: FastAPI, React, Tailwind CSS, Crew AI

- **Second prize winner**, *BizHacks 2025* (Infosys hackathon and business case competition); selected **out of 33 teams**
- Developed agentic AI application that automates marketing campaigns from start to finish with 2 teammates; coded orchestration agent within agent swarm, linking it to **React** frontend with **FastAPI**

Activities & Leadership

Residential Advisor – UCSD Revelle Residence Life

Aug 2023 - Present

- Hosted ~**15** floor and **3** large-scale social and education events annually; **connected 100 residents** to campus resources
- As **Lead RA**, beginning fall 2025: **managed team of 16 RAs** through biweekly 1:1 meetings and conflict management support; also performs outreach, recruitment, and mentorship for the Revelle residential area's student hall association

Yoga Instructor Certification – YogaRenew

- Completed **200 hours** of anatomy courses, philosophy and history readings, Hatha yoga, and pranayama training

Technical skills: Python, JavaScript/Typescript, Java, React, HTTP, Next.js, Figma, git, Agile (Jira, Confluence)