

Gregory Chang

chang.j.gregory@gmail.com | (949) 677-6541 | www.linkedin.com/in/gregjchang

Education

University of California, Davis | Davis, CA

Expected June 2025

Bachelor of Science in Computer Science and Minor in Technology Management

Relevant Coursework

CS: Data Structures | Statistical Modeling | Operating Systems | Research in Data Studies | Web Programming | Bash Scripting

Tech Management: Managing & Using Info Tech | Supply Chain Management | Product Management | Marketing for Tech Enterprise

Professional Experience

Moober | Aggieworks Student Club | Davis, CA

Oct 2024 – Present

Product Manager

- Scaled UCD-student-exclusive ridesharing app to **1,100+** from 200 users within 8 months of joining by leading a cross-functional team of 4 engineers, 2 designers, and 1 marketing manager using agile methodology
- Led **40+** user interviews, analyzed user data in SQL, and built data-driven enhancements to features such as map optimization, notifications, improved security, and ride requests, ultimately enhancing net promoter score (NPS) by **16%**
- Drove a **500%** increase in daily active users by developing strategic marketing initiatives that aligned with timing of academic breaks and developed Python scripts to assist with targeted outreach

Math, Engineering, Science Achievement Program (MESA) | Davis, CA

Jul 2024 – Present

Software Engineer Mentor

- Developed and led structured, hands-on STEM workshops on topics such as UI/UX principles, prototyping, and web development using Figma and React for **50+** first-generation, underrepresented middle and high school students, resulting in **85%** of participants reporting increased interest in technical careers
- Orchestrated hackathon events for students to build products that solved for community needs, mirroring real-world product development lifecycle

UC Davis Center for Artificial Intelligence and Experimental Futures (CAIEF) | Davis, CA

Mar 2024 – Jun 2024

Data Scientist Intern

- Engineered a custom web scraping solution using R to identify, extract, and process **4,000+** literary works that were relevant to the research needs of the UC Davis AI Humanities Center, resulting in a comprehensive metadata database that would reduce literature search time from hours to minutes
- Developed data cleaning pipelines and implemented data logging to maintain data integrity

DataLab | Davis, CA

Nov 2023 – Sep 2024

Research Assistant for Oliver Kreylos (PhD C++ Visualization Researcher)

- Integrated 3D Gaussian Splatting into Linux environment to improve accuracy and clarity of images in VR spaces
- Identified and implemented the correct installation path for Nvidia driver by troubleshooting the Linux environment using Bash scripts

TOKI | Tokyo, Japan

Jun 2023 – Aug 2023

Software Engineer Intern

- Developed an AI-powered travel chatbot using Flask & OpenAI's API, reducing manual planning time for travel agents and enabling agents to service **3x** more customers per week
- Led the redesign of company landing page by driving cross-functional efforts with designers and operations teams to enhance the design and user experience, increasing traffic by **10%**
- Built financial model to streamline budget tracking and financial reporting processes by collaborating cross-functionally with finance and business operations teams, resulting in improved data accuracy and efficiency by **2x**

Projects

Espresso | CodeLab Student Club | Davis, CA

Oct 2023 – Jun 2024

- Developed flashcard web app that combines the usability of Quizlet and space repetition algorithm from Anki using React with Next.js, Node.js, and PostgreSQL in collaboration with team of developers and designers, enabling users to maximize productivity

Chinese2Pinyin | Personal Project

Sept 2023

- Integrated Twilio API with Python script to automate conversion of text messages written in Chinese characters to its corresponding phonetic spelling (Pinyin), providing real-time transliteration and minimizing language barriers

Olympic Infrastructure Reusability Case Study | Class Project (MGT120)

Jan 2023 – Mar 2023

- Led and presented a **90+** page research study to board of professional consultants on the design, implementation, and sustainability of Paralympics infrastructure based on both interviews with the Paralympics president and secondary research

Skills

Product Management: Roadmap Planning, Agile, User Research, A/B Testing, Data-Driven Decision Making, Growth Strategies, Notion, Jira

Technical: Python, JavaScript/TypeScript, SQL, R, React, Node.js, Next.js, Flask, Postgres, MongoDB, Github

Languages: English (Native) | Mandarin (Fluent)