Gregory Chang

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Education

**University of California, Davis** |Davis, CA *June 2025*

Bachelor of Science in Computer Science & Minor in Technology Management  
Cumulative GPA: 3.4

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 | Entrepreneurship | Marketing for Tech Enterprise

Experiences

**Moober |** Aggieworks (Student Club) *October 2024 – Present  
Product Manager*

* Led end-to-end **agile** development for a UC Davis-exclusive ridesharing & Uber/Lyft splitting platform, driving adoption to **1,000+** users.
* Conducted **40+** user interviews, leveraging SQL-cleaned data to inform feature development including notifications, recurring rides, etc
* Defined and executed a marketing strategy ahead of spring break, resulting in a **500% increase** in website activity
* Engaged **500+ students** via targeted outreach using python scripts to uncover key user pain points, privacy concerns, and opportunities to enhance the user experience

**DataLab |** Data Science and Informatics Research Lab *November 2023 – September 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

Work Experience

**MESA Math, Engineering, Science** **Achievement Program**|Davis, Ca  *July 2024 – Present  
Software Engineer Mentor*

* Led hands-on STEM and engineering activities for **50+** first-generation, underrepresented middle and high school students
* Led hackathon and workshops that taught students how to research, plan, and build websites. Covered core **UI/UX principles**, **prototyping**, and web development using **Figma** and **React**.

**AI Humanities Center** |Davis, Ca *March 2024 – Jun 2024  
Assistant Data Scientist Intern*

* Collaborated with PhD mentors and UCD administration at Datalab to clean, manage, and process data using **R**, contributing to the creation of a **4000+** literature corpus for the AI Humanities Center at UCD College of Letters & Science

**TOKI** | Tokyo, Japan *June 2023 – August 2023*

*Software Engineer Intern*

* Developed an AI chatbot that provides travel itinerary planning assistance using **Flask** and OpenAI’s API to improve staff efficiency and leveraged Unsplash’s API to generate relevant travel destination images, enhancing user interactions and visual appeal
* Played integral role in web application development and maintenance tasks, ensuring company website remained up-to-date, user-friendly, and responsive, contributing to a **10%** **increase** in website traffic
* Built financial model to streamline budget tracking by **50%** and financial reporting processes by collaborating cross-functionally with finance and business operations teams, resulting in improved data accuracy and efficiency

Projects

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**Espresso |** CodeLab (Student Club)  *October 2023 – June 2024*

* Developed flashcard application that combines usability of *Quizlet* and the 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 enhance productivity

**Chinese2Pinyin |** Personal Project  *September 2023*

* Integrated Twilio API w/ Python script to automate conversion of Chinese text messages into Pinyin, providing **real-time** transliteration

**Olympic Infrastructure Reusability Case Study |** School Project (MGT120)  *Jan 2023 – Mar 2023*

* Tackled the problem of Olympic infrastructure abandonment after the games, creating **90+** pages of data and interviewing Paralympics president about concerns of Olympic infrastructure reusability and presented to board of professional consultants

Skills and Interests

**Languages:** Python, JavaScript/Typescript, HTML/CSS, Tailwind CSS, R, SQL, Java, C/C++, Bash Scripting | English (native), Mandarin (fluent)

**Frameworks:** Postgres, Express, React, Node.js, Tailwind, Flask,Langchain

**Tools:** Notion, Jira, GitHub, Git, Supabase, MongoDB | Linux, Mac OS