

Gregory Chang

changjgreg@gmail.com | Brooklyn, New York | (949) 677-6541 | www.linkedin.com/in/gregjchang

Education

University of California, Davis | Davis, CA

Graduated Jun 2025

Bachelor of Science in Computer Science and Minor in Technology Management

Professional Experience

Moober | Aggieworks Student Club | Davis, CA

Software Engineer

Jul 2025 – Sep 2025

- Built a secure, end-to-end authentication system for a ridesharing app: implemented JWT-based auth with access/refresh tokens in a NestJS backend, and integrated token management in a React Native frontend using Secure Store for seamless login persistence
- Containerized full-stack application with Docker Compose, orchestrating a NestJS + Drizzle ORM backend and a React Native frontend for consistent local development and service integration
- Cut hosting costs by 90% by migrating a Next.js app from Vercel's serverless environment to a VPS, implementing custom deployment pipelines and server configuration

Product Manager

Oct 2024 – Jul 2025

- Scaled student-exclusive ridesharing app from 200 to 1,100+ users 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 features related to map optimization, notifications, improved security, and ride requests, ultimately enhancing net promoter score (NPS) by 16%
- Drove a 45% increase in driver postings by aligning marketing efforts with academic calendar and using SQL to identify target demographics for outreach and automated bulk emails with Python to scale communication

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

Jul 2024 – Aug 2025

Software Engineering Advisor

- 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
- Built data pipelines in R to collect, clean, and analyze feedback from ~370 6th-12th grade students and advisors, generating data reports that informed outreach strategies and curriculum improvements

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

Mar 2024 – Jun 2024

Data Scientist Intern

- Built a custom web scraping solution using R to identify, extract, and process 4,000+ literary works that were relevant to the research needs of CAIEF, resulting in a comprehensive metadata database that reduced 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 Dr. Oliver Kreylos (C++ Visualization Researcher)

- Integrated 3D Gaussian Splatting into Linux environment to improve accuracy and clarity of images in VR
- 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, Langchain, and OpenAI's API, reducing manual planning time for travel agents and enabling agents to service 3x more customers per week
- Built financial model to streamline budget tracking and financial reporting processes by collaborating cross-functionally with finance and business operations teams, resulting in improved efficiency

Projects

DJSocial | Remote

Jul 2025 – Present

- Designed a user-friendly website in Figma for a DJ tipping platform that streamlined song requests with integrated payment features
- Built a server-side rendered website using Vite with static site generation, enhancing SEO and delivering fast, low-latency performance

Espresso | CodeLab Student Club | Davis, CA

Oct 2023 – Jun 2024

- Developed flashcard website that combines the usability of Quizlet and spaced 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
- Designed and implemented a PostgreSQL database defining how users, flashcards, decks, and permission systems interact to support multi-user access, card sharing, and deck organization

Skills

Languages: Python, JavaScript/TypeScript, SQL, R, C, C++, HTML, CSS, Java, Go, UNIX Shell Script

Frameworks & Libraries: React, React Native, Svelte, Next.js, Nest.js, Node.js, Express, Tailwind, FastAPI, Flask, Langchain, Gin, Gorm

Databases & Infrastructure: MongoDB, SQLite3, PostgreSQL, Supabase, Docker, GitHub Actions, Cloudflare, Vercel

Testing, Automation & Tooling: Pytest, Vitest, ESLint, Husky, Git, Postman, Figma, Notion