

Vanessa Guo

(510) 219-7839 | Vanessaguo2003@gmail.com | [linkedin.com/in/vanessaguo03](https://www.linkedin.com/in/vanessaguo03)

Education

University of California, Davis | B.S. Computer Science

Related Coursework | Machine Dependent Programming, Algorithm Design and Analysis, Computer Architecture, Operating Systems, Web Development, Data Structures and Algorithms, Computer Networks

Technical Skills | C++, C, React, TypeScript, JavaScript, MongoDB, Python, R, Go, Lisp, Prolog, Java, x86, Tailwind CSS, HTML/CSS/SASS, Unix/Linux, Git, Excel, PowerPoint, Figma, Jira, Agile Methodologies, SQL, Distributed Systems

Interests | Product Management, Full Stack Software Engineering, AI

Experience

Frontend Software Engineering Intern, Paramount

Jun 2024 - Aug 2024

- Developed and launched the league and division pages on MaxPreps.com using ReactJS, NextJS, and TypeScript, integrating multiple internal APIs to deliver dynamic stats and schedules that enhanced the overall user experience
- Collaborated with cross-functional teams (frontend, backend, design, and QA) in an Agile/Scrum workflow, contributing to daily standups and sprint planning, and code reviews to ensure high-quality feature delivery
- Drove user engagement by improving page interactivity and responsiveness, achieving 270K+ page views within the first week of launch

Software Engineering Intern, Northrop Grumman

Jun 2023 - Aug 2023

- Upgraded the embedded software architecture of the UH-60V Blackhawk helicopter cockpit to improve performance and reliability
- Utilized Model-Based Systems Engineering techniques to streamline the development process and ensure traceability from requirements to implementation

Web Development Instructor, Kode With Klossy

May 2022 - Aug 2022

- Taught foundational web development skills including HTML, CSS, and JavaScript to a cohort of 50+
- Provided hands-on guidance and mentorship during coding exercises and projects, helping scholars with troubleshooting and enhanced understanding of frontend concepts

Python Tutor, UC Davis

Jan 2022 - Jun 2022

- Provided tutoring to students, assisting with Python concepts and debugging

Frontend Software Engineer Fellow, Technica

Oct 2021 - Nov 2021

- Programmed the frontend of a submission platform for the Technica hackathon using Vue and Node.js

Leadership Experience

Marketing Director, HackDavis

May 2024 - May 2025

- Led marketing strategy for the Davis Hackathon, driving 800+ participants through targeted social media campaigns, classroom outreach, and tabling

Marketing Director, Davis Undergraduate Engineering Network

Jan 2024 - Jun 2024

- Led the marketing team, growing Instagram following by over 300 users and boosting engagement by 20k+ through content creation and event promotion
- Designed recruitment materials, bringing in 100+ applicants during spring campaign

Product Manager, Davis Undergraduate Engineering Network

Sep 2023 - Dec 2024

- Directed a cross-functional team of 18, owned project roadmap and scope from planning to demo
- Made strategic tradeoffs to balance features, timeline, and priorities, delivering on schedule