

Dennis Liang

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EDUCATION

University of California, San Diego

Bachelor of Science in Computer Science, Minor in Business

- Grades: 3.84/4.0 GPA, Provost Honors, Shores Scholarship

San Diego, CA

September 2021 – June 2025

EXPERIENCE

Software Engineering Intern

September 2023 – Present

Early Transition in Tech Association

Birmingham, AL

- Designing and developing a student-friendly web app learning platform using HTML, CSS, JavaScript, React, and Bootstrap to provide computer science education for under-served communities in Birmingham, AL
- Collaborating with an Agile software development startup team of 10 software engineers to create innovative technology solutions

Media Liaison

May 2022 – Present

University of California, San Diego Cycling Team

San Diego, CA

- Promoting and amplifying community engagement through social media platforms resulting in 15% increase in team social followings
- Communicating and coordinating creative media advertisements with team officers and members to improve team atmosphere

Web Developer

June 2023 – September 2023

University of California, San Diego Cycling Team

San Diego, CA

- Spearheaded custom website based on the variable needs of the cycling team resulting in increased communication amongst 30 team members and the greater cycling community
- Developed website using HTML, CSS, JavaScript, and GitHub Pages with future development in mind allowing for a streamlined future upgrade process

Outreach Co-Chair

May 2022 – June 2023

University of California, San Diego IEEE Chapter

San Diego, CA

- Directed and oversaw outreach events that promoted K-12 STEM education in the San Diego community with more than 100 student attendees
- Recruited and coordinated volunteers for various events, fostering a strong sense of community amongst more than 30 university student volunteers

Computer Engineering Intern

September 2020 – February 2021

Vernier Software & Technology

Portland, OR

- Developed an online web app for displaying statistical data from educational Bluetooth science sensors using JavaScript, HTML, CSS, and Google Firebase resulting in a new platform for scientific sensors
- Coordinated communication with clients to continuously improve the product through the software development life cycle

PROJECTS

Say-It ChatGPT Voice Assistant | *Java, OpenAI API, Whisper API, MongoDB, JUnit* April 2023 – June 2023

- Developed a ChatGPT email and search voice assistant using REST API and Open AI
- Collaborated with a team of 5 other software engineers under an Agile software development cycle
- Facilitated product feedback meeting with the client after each milestone to continuously fulfill customer requirements

New York Traffic Ticket Database | *C, GDB, Valgrind*

April 2022 – June 2022

- Implemented an in-memory database using a hash table storing NYC parking ticket data from 2019
- Utilized memory allocation and deallocation techniques to create a memory-efficient database

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, JavaScript, HTML/CSS, Markdown

Developer Tools: Atom, Git, GitHub, VS Code, Vim

Concepts: Object-Oriented Programming, Software Design Patterns, and Algorithm, Compiler Code Optimization