Dennis Liang

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SKILLS

- Java, Java Swing, Java FX, Python, C, C++, JavaScript, HTML, CSS, ARM Assembly, Markdown, Linux/Unix, Git, GitHub, Junit Testing, DBMS, MongoDB, ChatGPT API, Whisper API, Software Design Patterns and Algorithm, System Verilog, Compiler Optimization
- English & Mandarin

EDUCATION

University of California, San Diego, Jacob School of Engineering
Bachelor of Science in Computer Science, Minor in Business   **Expecting June 2025**
- Cumulative GPA: 3.84/4.0 | Honors: Provost Honors, Shores Scholarship

Intro to Modern Cryptography, Web Client Languages, Introduction to Computer Architecture: A Software Perspective, Software Project in Computer Architecture, Component & Design Techniques for Digital Systems, Digital Systems Laboratory, Design & Analysis of Algorithm, Software Engineering, Advanced-Data Structures, Theory of Computation, Computer Organization and Systems Programming, Math/Algorithm & Systems Analysis, Discrete Mathematics, Linear Algebra

RELEVANT PROJECT & EXPERIENCE

Early Education in Tech Association, *Developer Intern*   **September 2023 – Current**
- Developing and maintaining user-friendly website and learning platform for underserved communities in Birmingham, AL, to enhance educational resources
- Collaborating with a startup team to create innovative technology solutions to empower the community

UCSD Cycling Team Website, *Web Developer*   **June 2023 – Current**
- Spearheading custom website based on the variable needs of the cycling team
- Utilizing HTML, CSS, JavaScript, React, and GitHub Pages

Say-It ChatGPT Voice Assistant, *Java Developer*   **April 2023 – June 2023**
- Designed and developed a voice chat and email assistant using ChatGPT, Whisper API, and MongoDB
- Collaborated with a software engineering team and delivered the product using the Agile software development cycle

New York Traffic Ticket Database, *C Developer*   **April 2022 – June 2022**
- Implemented an in-memory database using a hash table storing NYC parking ticket data from 2019
- Utilized memory management technique using C

Vernier Software & Technology, *Computer Engineering Intern*   **September 2020 – February 2021**
- Developed an online platform for displaying statistical data from educational Bluetooth science sensors using JavaScript, HTML, CSS, and Google Firebase
- Coordinated communication with clients to continuously improve the product through the software development lifecycle

OTHER EXPERIENCE

University of California, San Diego Cycling Team, *Media Liaison*   **May 2022 – Current**
- Communicating and coordinating media advertisement with other team officers and members
- Promoting and amplifying UCSD cycling team community engagement through Instagram, Facebook, and the team website with more than 1000 followers

IEEE, University of California, San Diego Chapter, *Outreach Co-Chair*   **May 2022 – June 2023**
- Directed K-12 events aimed at promoting STEM education in the San Diego community
- Led and oversaw student volunteers at K-12 outreach events
- Instructed students in engineering fundamentals such as programming and electronics