Daniel Ho

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TECHNICAL SKILLS AND INTERESTS

Languages: HTML, CSS, JavaScript, Java, Python, C++, SQL
Frameworks: Fast API, Spring Boot, MongoDB, MySQL, Vue.js, React, Tailwind CSS, Cypress
Interests: AI/Machine Learning, Backend Design, Python Scripting, Algorithms

EDUCATION

University of Southern California, Viterbi School of Engineering   **Los Angeles, CA**
Bachelor of Science in Computer Science and Business Administration   Expected December 2026
Master of Science in Computer Science   Expected December 2027

East Los Angeles College   **Los Angeles, CA**
GPA: 4.0   June 2022 – May 2023

Relevant Coursework:

Communication Strategy in Business: Gained practical experience in professional **presentation skills** and effective **organizational communication** through individual presentations and group projects.

Data Structures and Object-Oriented Design: Developed the ability to choose appropriate and efficient data structures and algorithms to solve a problem

Introduction to Algorithms and Theory of Computing: Used new problem-solving techniques like Dynamic Programming, Divide and Conquer, and Greedy Algorithms to efficiently solve problems in computer science. Also learned poly-time reductions and P vs NP problems.

Principles of Software Development: Using **Java** I learned about multi-threading and concurrent programming. We also learned about common practices in **Full-stack software development**.

EXPERIENCE

Hughes Design Group (Sub-contractor of Booz Allen Hamilton)   **El Segundo,CA**
Full-stack Developer   June 2024 – Present

- Developed versatile and user-friendly front-end web pages using **Tailwind CSS, Cypress** and **Vue.js**.

- Built an API using **Fast API** and hosted a relational database on **MongoDB** with testing in pytest.

- Collaborated with a team of engineers on GitHub using a **CD/CI development process**.

Let's Code Inc   **Alhambra, CA**
Programming Instructor   June 2022 – July 2023

- Constructed an HTML/CSS, JavaScript, and Python curriculum to **engage** a class of **30 students.**

- Evaluated students' projects and provided constructive feedback on visual and technical design choices

TECHNICAL PROJECTS

API Schema Generator
Developer
August 2024

- Technologies Used: Python, MongoDB, Fast API, Vue.js

- Worked with some guidance from a Senior Engineer on creating **Python** scripts to read in a **JSON** file and generate files to support a full-stack application using a Vue.js, Fast Api, MongoDB tech stack.

- Senior developers created **hundreds of microservices** using this generator to quickly set up the frontend and backend saving hours of their time.