

# Hoang Khoi Do

(408)-819-1260 | [dohoangkhoi341@gmail.com](mailto:dohoangkhoi341@gmail.com) | [Linkedin](#) | [Github](#)

## EDUCATION

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California State University Long Beach

Long Beach, CA

B.S. Computer Science

Graduation Expected: May 2026

**Relevant Coursework:** Data Structures, Algorithms, Software Engineering, Computer Architecture, Assembly Programming

## EXPERIENCE

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De Anza College

Cupertino, CA

Teaching Assistance

Sept 2023 – June 2024

- Assisted professors in planning and delivering instructional content for **Beginning Programming Methodologies in C++**, helping students grasp fundamental concepts.
- Conducted review sessions, provided one-on-one tutoring, and facilitated group discussions to enhance student understanding.
- Evaluated labs, assignments, quizzes, and exams, providing constructive feedback to students and instructor to support academic growth.

De Anza College

Cupertino, CA

Computer Technical Support Volunteer

Dec 2023 – June 2024

- Installed, configured, and maintained various hardware and software systems to ensure seamless functionality and performance.
- Refurbished and repaired outdated laptops by replacing defective components, optimizing system performance, and reinstalling necessary software.

## PROJECTS

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[Shape&Sign](#) | *Next.js, Tailwind CSS, Python, TensorFlow*

- Collaborated with a team of four to win the **Best Overall** prize at **BeachHacks 8.0**, recognized for innovation, technical excellence, and user engagement.
- Designed and developed the front end of a web platform using **Next.js** and **TailwindCSS** to showcase hand gesture machine learning models, ensuring a seamless and responsive user experience.
- Created an intuitive and visually engaging user interface to enhance accessibility, usability, and interaction with the machine learning models.
- Developed three interactive mini-games that allow users to engage with and better understand the model's functionality in a hands-on and intuitive way.

[BookStore](#) | *React.js, Tailwind CSS, MongoDB, Express.js, Node.js*

- Built a simple **MERN** stack web application for efficient book collection management with full **CRUD** functionality.
- Designed and developed responsive, user-friendly interfaces using **React.js** and **TailwindCSS**, ensuring optimal user experience.
- Implemented **MongoDB** to efficiently store and manage book data, including authors, titles, and update timestamps.

[QuizRiff](#) | *Python, Flask, HTML/CSS, SQLite3*

- Led a team of 4 Computer Science students in the Fall 2023 De Anza Hackathon to develop an online learning platform using **Python** and **Flask**.
- Designed a web application using **Flask** and **HTML/CSS** to showcase questions and multiple choices from various study fields.
- Utilized **WolframAlpha API** to fetch questions and multiple-choice answers, deploying the data as an interactive quiz form.

## SKILLS

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- PROGRAMING LANGUAGES:** Java, C/C++, Python, JavaScript, SQL, TypeScript, HTML/CSS
- TECHNOLOGIES:** Next.js, React.js, Node.js, Express.js, Git, MongoDB, PostgreSQL, TailwindCSS, Bootstrap, MySQL