

Dang Nguyen Nguyen

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EDUCATION

University of California, Irvine

Expected Grad: June, 2025

B.S in Computer Science

GPA: 3.85

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Software Testing and Quality Assurance, Human Computer Interaction, Boolean Logic & Discrete Math, Linear Algebra, Probability & Statistics

SKILLS

Programming Languages: Python • C++ JavaScript • TypeScript • Java • C • C++

Web & Database: SQL • HTML • CSS • PostgreSQL • MongoDB • Firebase

Framework: React • React Native • Next.js • Chakra UI • Tailwind • Bootstrap • REST API

Technologies: Git • Postman • Figma • NodeJS • ExpressJS • AWS S3 • AWS EC2

EXPERIENCE & LEADERSHIP

Coding Minds Academy

Irvine, CA

Coding Instructor

July 2023 - Present

- Fostered the next generation of programmers by leading **Python**, **C++**, **HTML/CSS** courses for students grades 1-10.
- Devised personalized lesson plans tailored to students' progress and needs to increase comprehension and proficiency.

Commit the Change | UC Irvine Student Organization

Irvine, CA

Technical Lead

June 2023 - Present

- Collaborated with a non-profit to develop a software solution, overseeing and coordinating weekly sprint tasks for a team of **10+** developers. Providing the team resources to standardize and accelerate the development cycle.

Full-Stack Developer

October 2021 - Present

- Volunteered with a 15-person team to develop a web management system for NPO Patriots and Paws Anaheim, enhancing furniture donation coordination using **React**, **PostgreSQL**, **NodeJS**, and **Express**.
- Transitioned from paper-based systems to digital by implementing inventory and driver dashboards with email integration, reducing manual tasks by **95%** and enhancing management of donation pickup scheduling.
- Collaborated with in-house UX designers to convert **Figma** wireframes into working UI components.

University of California, Irvine | School of Information & Computer Science

Irvine, CA

Lab Tutor

March 2023 - June 2023

- Provided academic support to **40+** students in understanding the fundamental concepts of **Python**.
- Volunteered for after-class support, leading to a **15%** decrease in students needing academic help during the quarter.

PROJECTS

ZotnFound 2 | *React.JS, React Native, Javascript, AWS, PostgreSQL*

June 2023 - September 2023

- Transformed a hackathon web app into a full-scale solution, migrating from Firestore to **PostgreSQL & Express**.
- Built **React Native** mobile app version, broadening access for on-the-go UCI students.
- Utilized **AWS S3** for frontend and **EC2** for NodeJS backend deployment.
- Amassed **300+** followers on social media. Successfully aided **10+** students in retrieving lost items.

ZotnFound | *React.JS, ChakraUI, Javascript, Firebase*

2nd Place - VenusHack 2023

- Coordinated a group of **4** in developing a web app to help UCI students locate and recover lost belongings.
- Integrated **Leaflet API** to create an interactive map, developed a custom search algorithm to enhance item location functionality, and employed **Chakra UI** responsive front-end.
- Utilized **Google Firebase** for authentication and database management.

ZotPals | *Node.JS, Express.JS, MongoDB, HTML, CSS, Git*

1st Place - UCI Webjam 2022

- Led team of **4** to develop a web app for student exchanges of unused items, fostering connections and sustainability.
- Implemented a robust **Express** and **MongoDB** backend with **REST APIs** and **HTTP** protocol.