

SIMON QUACH

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EDUCATION

University of California, San Diego

La Jolla, CA

Bachelor of Science in Math-Computer Science

June 2025

Orange Coast College

Costa Mesa, CA

Associate in Science for Transfer in Mathematics

June 2022 - May 2023

GPA: 4.0 | Honors: President's List Scholar

Relevant coursework: Java OOP, Multivariable Calculus, Linear Algebra, Differential Equations

SKILLS & CERTIFICATIONS

- **Programming Languages:** JavaScript, TypeScript, HTML/CSS, Python, Java
- **Technologies:** ReactJS, NextJS, Bootstrap, Material UI, TailwindCSS, Node.js, ExpressJS, Firebase, Axios, Bash, Git, MongoDB, Vite, Vercel, Discord API, Figma, Docker, Flask, FastAPI

EXPERIENCE

EZread - Software Engineer Intern | Remote

July 2023 - Present

- Works in team of 5, taking part in weekly **Agile Scrum** sprint plannings, standups, and meetings to discuss SEO optimization, Conversion Rate Optimization (CRO), and server-side rendering implementation.
- Spearheading the migration of the codebase from **React** to **NextJS**, accelerating development cycles, amplifying SEO efficiency, augmenting image optimization, and enhancing speed through SSR by an expected **163%**.
- Developed interactive web interfaces for web pages using **Material UI** components by utilizing UI/UX principles.

Aaron's Details - Full Stack Developer | Freelance

June 2023 - September 2023

- Collaboratively designed and engineered a website for a car detailing business using **NextJS** and **TypeScript**, resulting in over **500** visits and supporting the client's service demands of **4** clients per week post-launch.
- Integrated **SendGrid API** for automated email confirmations, leading to a **200%** client increase.
- Developed a secure admin dashboard using **Firebase authentication + database** for client-driven updates, integrated with **ExpressJS** and **Node.js** for seamless backend operations.

PROJECTS

DreamCatcher | Team of 4

[GitHub](#) | [View Project](#)

- Engineered an AI-driven platform providing users with a tool to record and dissect their dreams, contributing to improved user understanding of dream patterns and dream logging efficiency/speed by **75%**
- Utilized: NextJS, TypeScript, TailwindCSS, FastAPI, GPT-3.5, HumeAI, Whisper, Firebase Authentication + Firestore

GitPT | Team of 4

[GitHub](#) | [View Project](#)

- Built a **GPT-3.5** integrated low-context chatbot for codebase understanding, resulting in reduced costs by **22.5%**
- Utilized: NextJS, TailwindCSS, Three.js, Node.js, Express, MongoDB, OpenAI GPT-3, Milvus

Quoted | Team of 1

[GitHub](#) | [View Project](#)

- Created a mobile-first **full-stack** web app allowing users to upload quotes by implementing **CRUD** functionalities
- Utilized: NextJS, TailwindCSS, Firebase Authentication, Firestore

AWARDS

Won UC Santa Barbara SB Hacks IX (out of **132** total participants)

May 2023

Won UC Riverside CitrusHack Hackathon (out of **148** total participants)

April 2023

Won Nor Cal Spring Hacks 2023 Hackathon (out of **194** total participants)

February 2023

Won MLH Hackrithmitic 2023 Hackathon (out of **106** total participants)

January 2023