

Simon Quach

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EDUCATION

Orange Coast College - GPA: 4.0/4.0

Costa Mesa, CA

Bachelor of Science (B.S.) Mathematics

Expected Graduation: June 2025

- *Courses:* Fundamentals of Computer Science, Java OOP, Multivariable Calculus, Linear Algebra

EXPERIENCE

Code Ninjas

Garden Grove, CA

Tutor/Mentor

Jun 2022 - Present

- Teaches **JavaScript** and game engines (**Unity, Roblox Studio**)
- Proctors and scores programming assessments for video games
- Communicates students' progress to students, parents or teachers in written progress reports
- Facilitates tutoring workshops and collaborative projects for small groups of students

PROJECTS

MLH Hackrithmic 2 - Paddy Plant Prognosis

January 2023

Hackathon Project ([Website](#)) - ([Github](#))

- Created a web application to help farmers identify diseases in their crops quickly and accurately
- Led team of 3: delegated tasks, helped teammates debug, etc.
- Designed overall website concept/layout (front-end), implemented responsive design across entire app
- Won **Best Data Science Hack** (out of 106 total participants)
- Used: **ReactJS, TailwindCSS, Vite, Flask, Tensorflow, Keras, OpenCV, Vercel**

AI Image Generation App

January 2023

Personal Project ([Website](#)) - ([Github](#))

- Developed and deployed a full-stack application utilizing DALL-E API to generate images based on user text input
- Creates AI generated images & stores images in MongoDB database for reference and retrieval
- Users can view previously generated images from other users
- Used: **ReactJS, TailwindCSS, Node.js, ExpressJS, MongoDB, Cloudinary**

Search That Recipe

October 2022

Personal Project ([Website](#)) - ([Github](#))

- Created and deployed a website which can search for the recipes of millions of dishes with the Edamam Search API
- Used: **ReactJS (State/Effect), HTML/CSS, Bootstrap, JSX, Axios, Firebase**

Stock Data Bot

September 2022

Personal Project ([Github](#))

- Designed, implemented, and deployed automated systems utilizing RESTful API
- Processes and generates stock market data content, displays company news, and extends functionality for major online social networking platform
- Used: **discord.js, Node.js, Finnhub Stock API**

SKILLS

Programming Languages: Python, JavaScript, TypeScript, HTML/CSS, Java, C++, C#

Frameworks: ReactJS, Bootstrap, TailwindCSS, Node.js, ExpressJS

Libraries: Tensorflow, Mongoose, Beautiful Soup, OpenCV, NumPy, Matplotlib, Pandas, Selenium

Other: Firebase, Axios, Bash, Git, MongoDB, Vite, Vercel, discord.js, Cloudinary