Raul Jarquin Valdez

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EDUCATION

Bachelors of Science in Computer Science
California State University, Fullerton

Graduating December 2024
Fullerton, CA

EXPERIENCE

Zymo Research
Full Stack Developer Intern

June 2023 - August 2023

- Developed an innovative internal dashboard, optimizing user experience via seamless **Excel parsing** and **database migration**.
- Oversaw and **directed** the comprehensive **design** and **development** phases, collaborating closely with mentors and the team to ensure alignment with project objectives.
- Applied **Agile** for iterative, feedback-driven development, ensuring timely user-centric dashboard delivery.

Code Ninjas
STEM Instructor

August 2021 - June 2023

- Conducted coding sessions for small groups (ages 4 to 13), exploring **Scratch**, **Roblox Studio**, **Unity**, and an exclusive Code Ninjas platform using **JavaScript**.
- Consistently updated parents on their child's progress, skills, and session topics, fostering a supportive learning community.
- Facilitated on-site coding sessions at schools, expanding Code Ninjas' educational reach beyond the center, enriching students' learning experiences in diverse settings.

Code Campus
STEM Instructor

June 2022 - August 2022

- Instructed programming with **Minecraft Education** at three schools, overseeing 20+ students, prioritizing their well-being and engagement.

PROJECTS

Budget Buddy | Django, Python *https://github.com/Raulj123/dashboard*
Money Dashboard Visualizer streamlines expense tracking and financial insights for users.

Sorting Visualizer | C++, SDL *https://github.com/Raulj123/c-vis*
Implemented an SDL-based sorting algorithm visualizer with Bubble Sort, Selection, and Insertion methods.

Notes | PHP, MySQL *https://github.com/Raulj123/Notess*
Developed PHP/MySQL web app for secure note management with Bootstrap integration.

TECHNICAL SKILLS

Languages Python, C++, JavaScript, TypeScript, Go, Bash, HTML, CSS
Technologies Git, PostgreSQL, SQLite, Linux, Docker