

Diego Cuadros

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Education

Loyola Marymount University | GPA: 3.58
Bachelor of Computer Science, Minor in Business Administration

Date of Graduation: May 2027
1 lmu drive, Los Angeles CA

Projects

My Money Buddy: Financial Budgeting Web Application

Flask | SQL | Python

- Developed a comprehensive **web application** to enhance **personal financial management** and promote effective spending habits. Utilized Python with the Flask framework for **backend development**, while employing HTML, CSS, and JavaScript for frontend design.
- Implemented a robust PHP-based database, integrating SQL for efficient data handling and storage. Key features of the application include a secure user login system and an interactive graph for visual tracking of expenses, contributing to improved budgeting and savings strategies.

CuadConnect: A Social Network for Computer Science

MongoDB | Express.js | React.js | Redux | Node.js

- Aimed to facilitate a supportive environment where students can share coding challenges, gain insights, and receive mentorship from senior peers. Mastered **MERN-stack web development** frameworks and languages, including React for **front-end**, Express and Redux for **state management**, and Node.js for back-end APIs, contributing to a seamless user experience and efficient state handling across the platform.
- Established a strong **MongoDB database schema** to manage user data, posts, comments, and interactions, enhancing data integrity and retrieval efficiency. Acquired foundational knowledge in **web application security principles** through the development of user authentication and authorization features, ensuring a secure and trustworthy community environment.

Experience

Freelance Web Developer | Jan 2023-Present

Web Development | Customer Service | Management

- Specialize in designing and developing custom websites tailored to the unique needs of diverse businesses, enhancing their online presence and operational efficiency. Employ a combination of React, HTML, CSS, and JavaScript to construct intuitive and responsive user interfaces, coupled with seamless backend functionality as required, ensuring a comprehensive and dynamic web experience for business clients and their consumers.
- Spearheaded the full-stack development and deployment of crystalclearsolutions.co, a bespoke website for a Long Beach-based window company. Managed all phases from conceptualization to launch, ensuring the site accurately represents the client's brand and effectively serves their customer base.
- Utilize modern development frameworks and deployment techniques to deliver high-quality web solutions with a focus on performance, scalability, and user engagement. Demonstrated proficiency in deploying applications using platforms like Heroku, facilitating continuous integration and deployment workflows for rapid and reliable website updates.

Finance Assistant | Volunteer | March 2023-Aug 2023

Organization | Collaboration

- Collaborated with the church secretary to overhaul and optimize the filing system for church expenses. Successfully organized and categorized over three years of financial records, enhancing accessibility and efficiency.
- Designed and implemented a systematic approach to file management, focusing on speed and efficiency. This innovative system significantly reduced the time required for file retrieval and maintenance.
- Dedicated months to this project, honing skills in collaboration, organization, and strategic planning. Contributed to a substantial improvement in the church's administrative processes through meticulous work and team coordination.

Certifications / Courses

CS50x: Introduction to Computer Science, Harvard University

- Delved into the fundamentals of computer science and software engineering. Gained profound insights into complex topics such as computational thinking, algorithms, data structures, and resource management.
- Developed proficiency in multiple programming languages, including C, Python, and JavaScript, and applied these skills in a series of challenging projects.

Skills

Languages: Python, Javascript, C/C++, English, Spanish

Technology: MongoDB, Express.js, React.js, Redux, Node.js, HTML, CSS, Flask, Git, SQL, Visual Studio

Soft Skills: Problem Solving, Adaptability, Customer Service, Collaboration, Organization