FRANK CARDONA

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Summary

I am a highly motivated and detail-oriented Computer Engineering student with proficiency in C++, Java, and Verilog, as well as a strong understanding of computer hardware. Currently contributing to an interdisciplinary project focused on the development of an electric bicycle attachment, spanning both hardware and software aspects. I am passionate about enhancing coding skills and gaining in-depth knowledge in hardware engineering. I am aspiring to transition into the artificial intelligence industry to leverage my skill set in solving complex, real-world challenges.

Skills

- C++
- Java
- Verilog
- Planning

- Critical-thinking
- Documentation
- Communication

Experience

E-Commerce | Southern Import Specialist | 11/2023 - Current

- Spearheaded the development of the e-commerce platform from inception, achieving daily sales exceeding $1,000 and demonstrating consistent growth.
- Enhanced inventory management processes, ensuring accurate tracking and availability of items.
- Developed communication strategies to effectively engage with customers and stakeholders, improving customer satisfaction and business reputation.
- Diagnosed and resolved server issues, maintaining high uptime and ensuring smooth operation of the e-commerce platform.

Translator and Assistant | Goodloe Dental | 06/2021 - 08/2021

- Acted as a translator between healthcare providers and patients, facilitating effective communication and ensuring patient comfort and understanding.
- Assisted in performing X-rays and ensuring that patients were well-informed and comfortable during the process.
- Managed and organized patient applications and records, demonstrating strong organizational and multitasking skills.

Projects

Scientific Calculator Dissection and Reverse Engineering | January 2023 - April 2023
- Technologies Used: Circuit Analysis, Data Sheets, Schematic Design Software
- Description: Conducted a thorough dissection of a scientific calculator to understand its functionalities and hardware components. Studied data sheets and reverse-engineered the main board to gain insights into button mapping, microcontroller logic, and hardware-software interaction.

Slone 12W Audio Amplifier Design and Construction | August 2022 - December 2022
- Description: Engineered a 12W audio amplifier from concept to completion. Designed schematics, ran simulations, and laid out a PCB. Ordered components and assembled the prototype, conducting rigorous tests to optimize sound quality. The project involved multiple lab sessions, from simulation to Gerber file creation, and troubleshooting.

Education and Training

Mississippi State University | Expected in 05/2024
Bachelor in Computer Engineering

Websites, Portfolios, Profiles

- www.linkedin.com/in/frank-cardona05b340291
- https://main--calm-lamington-3ac567.netlify.app/#projects

Accomplishments

Commitment Award 2023, MSU SHPE (Society of Hispanic Professional Engineers) at Mississippi State University,
Recognized for outstanding contribution to the MSU SHPE chapter, demonstrating leadership, teamwork, and a
commitment to advancing the goals of the organization.

Languages

Spanish:

Native/ Bilingual

Activities

- sports
- traveling