

Juan Ramirez Mendoza

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EDUCATION:

B.S in Computer Engineering; Florida International University, Miami, Florida December 2022

Concentrations:

- Embedded Systems
 - Data System Software
 - Cyber Security
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PROJECTS:

Low-Cost Water Quality Monitoring Buoy: *Python* May 2022 – Dec 2022

- Collaborated as a team member to develop a cost-effective water quality monitoring buoy and integrated three water quality sensors.
- Ensured autonomous operation of the buoy using solar panels and an external battery.
- Adapted seamlessly to a multidisciplinary team environment.
- Coordinated closely with the client to deliver the desired product.
- Successfully navigated through the software and hardware development process.
- Leveraged Raspberry Pi with the Raspbian operating system for successful implementation.

Personal Website: *HTML, CSS, JS* June 2023

- Designed and developed a personal website to showcase my software engineering portfolio.
- Utilized HTML, CSS, and JavaScript to create an interactive and visually appealing website.
- Utilized GitHub Pages to host the website.

Temperature Station: *C/C++* July 2023

- Interfaced a microcontroller(STM Nucleo) with a temperature/humidity sensor(DHT22).
 - Utilized C/C++ to process and transmit temperature and humidity readings to an LCD.
 - Practical experience in embedded systems and microcontroller programming.
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EXPERIENCE:

Moe's Southwest Grill; Miami, Florida Jan 2018 – Aug 2018

Crew Member – Retail

- Actively fulfilled various roles, showcasing versatility and adaptability.
 - Provided exceptional customer service, ensuring customer satisfaction.
 - Thrived in a collaborative team-oriented environment.
 - Strengthened interpersonal skills through effective communication.
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SKILLS:

- Programming Languages: C, C++, Python
 - Version Control: Git, GitHub
 - Object-oriented programming
 - Bilingual: Native Spanish Speaker
 - Microsoft Office Suite: Word, Excel, PowerPoint
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AWARDS & RECOGNITION:

Dean's List – Fall 2021, Spring 2022