

# 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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## SKILLS:

- Programming Languages: C, C++, Python
  - Version Control: Git, GitHub
  - Object-oriented programming
  - Customer Service
  - Technical Troubleshooting
  - Bilingual: Native Spanish Speaker
  - Microsoft Office: Word, Excel, PowerPoint
  - Communication
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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 and 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.
  - Strengthen interpersonal skills through effective communication.
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## AWARDS & RECOGNITION:

Dean's List – Fall 2021, Spring 2022