

DANIEL A. MUNOZ

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EDUCATION

Florida International University (FIU)

Bachelor of Science in Electrical Engineering

Collin College

Bachelor of Science in Electrical Engineering

Miami, FL

August 2021 – May 2024

Plano, TX

June 2019 – June 2021

SKILLS

Technical: Microsoft programs (Excel, Word, PowerPoint, and others), intermediate knowledge of Mechanical and Electrical Areas, Fusion 360, Illustrator, Hardware Design, Soldering, Harnessing, Cadence.

Programing Languages: C, C++ and Python.

Languages: Spanish and English.

LEADERSHIP/STUDENT ORGANIZATION

President | Panther Robotics

May 2023

Fundraising Director | Panther Robotic

August 2022 – May 2023

- Create and reach for companies or events to raise funds and show our work.
- Collaborate and communicate with students about next events.
- Manage and collaborate with members in projects and workshops.

Ambassador | Venezuelan Student Alliance

August 2022- November 2022

- Facilitate organizing events.
- Introduce and communicate with students about events and news, and how to contribute on it.

CAS PROGRAM

March 2017 – November 2018

- Designed experiences for schools from other states without important necessities such as resources necessary to study and share experience and knowledge with students.
- Mentored in motivation and change processes for Elementary and high school students to study.

WORK EXPERIENCE

Electrical Engineering Intern

January 2023 – May 2023

General Electric Appliances

- Designed and tested circuits for advanced UI features in appliances, ensuring seamless functionality.
- Implemented sensor-based movement detection for responsive and intuitive appliance controls.
- Conducted thorough device comparisons to identify the most effective and cost-efficient solutions for new feature integration.

Dell Brand Representative

October 2022 – January 2023

2020 Companies

- Demonstrate, sell, and promote Dell products to retailers in the assigned market.
- Provide training and support to Retail Sales Associates and store Leadership.

Barista

August 2021 – April 2022

Starbucks at the Marriot Hotel

Retail Sales Associate

October 2019 – December 2020

Lowe's - Tools and hardware department

PROJECTS

Presences sensing

- Utilized Infrared sensors and performed rigorous testing to ensure maximum precision and performance.

Autofill Feature

- Developed an Ultrasonic sensor-based circuit with filtering capabilities for precise cup filling.
- Conducted extensive testing and circuit modifications to achieve optimal performance.

Autonomous Robotic Arm

- Use TPU USB Accelerator in a 3D print robotic arm to run objects detection and recognition of different recycling objects.

Autonomous Telescope

- Modify and program a telescope using Arduino using Encoders and GPS to get the exact location it is pointing.