DANIEL A. MUNOZ

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# EDUCATION

**Florida International University (FIU) Miami, FL**

Bachelor of Science in Electrical Engineering *August 2021 – May 2024*

**Collin College Plano, TX**

Bachelor of Science in Electrical Engineering *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.