

Tony Barrera-Lopez

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Education

B.Sc. Computer Engineering, University of South Florida **Expected Graduation: May 2026**
University of South Florida (USF)
Cumulative GPA: 3.1; Florida Bright Futures Medallion Scholarship; USF Scholars Scholarship
Relevant Coursework: Electrical Systems I, Electrical Materials

Work Experience

- Customer Service Specialist** (Sumter County Tax Collector) **June 2023 - August 2023**
- Assisted customers with various DMV-related services, enhancing problem-solving and communication skills
 - Managed data entry tasks with high accuracy, demonstrating attention to detail and organizational abilities
- Maintenance Worker** (Sumter County School Board) **June 2021 - July 2021**
- Collaborated with a diverse team to complete painting projects within two months, showcasing teamwork and reliability
 - Adhered to safety standards and procedures, highlighting the ability to follow protocols and maintaining a safe work environment

Projects

- Living Wall Project** **January 2024 - May 2024**
- Collaborated with Engineers Without Borders on a local project to build a living wall for the DFX Lab at the University of South Florida
 - Participated in the physical assembly phase, focusing on the 3D printing of connectors and pins, and the cutting, measurement, and attachment of PVC pipes, acrylic, aluminum extrusions, and wooden boards
- Arduino-USF-Project** **September 2021 - November 2021**
- Collaborated in a group project to develop a robot using Arduino for ENG 3000L course
 - Designed and prototyped robot functionalities, including motor control and sensor integration

Skills

- Programming Languages:** C | Python | Java
- Tools:** Arduino | Git | Microsoft Office | VS Code | Fusion 360
- Soft Skills:** Proficiency in English & Spanish | Adaptability | Good Communicative Skills

Activities

Member of Institute of Electrical and Electronic Engineers	2024-Present
Member of Engineers Without Borders	2023-Present
Member of Society of Hispanic Professional Engineers	2021-Present