

German Israel Gonzalez Roman

Electrical Engineering Student | Controls and Power Systems

OBJECTIVE

To obtain a summer internship in electrical engineering with a focus on control systems and power engineering.

EDUCATION

University of South Florida
Bachelor of Science in Electrical Engineering

Tampa, FL
Expected December 2026

WORK EXPERIENCE

USF Tampa <i>Student Assistant</i>	Tampa, FL September 2025 – Present
• Hired by the Department Chair of Industrial Engineering to continue advancing the project's development and assist in the robotics class.	
USF Tampa <i>Undergraduate Researcher</i>	Tampa, FL May 2025 – September 2025
• Designed and built the structural frame of a delta robot, including full assembly and operation. • Collaborated with faculty and industry partner on testing and calibration for full operation.	
United AC <i>HVAC Technician</i>	Largo, FL March 2019 – June 2022
• Installed, maintained, and repaired AC equipment	
Polytechnic Institute of Tampa <i>Instructor</i>	Clearwater, FL August 2019 – July 2021
• Taught the basics of electricity and HVAC to students.	
Adecco	Clearwater, FL February 2018 – January 2019
• Assembled transformers in ITI Facilities (General Electric).	
Various <i>Industrial Automation and Controls Technician</i>	Santiago, Chile 2011 – 2017
• Maintained, troubleshooted, and repaired industrial electrical systems while designing and installing automated processes to improve equipment performance.	

SKILLS

- AC/DC circuit analysis and control systems, power circuits and transformers, real, reactive, and apparent power, harmonic analysis, PID controller design, electrical blueprint interpretation.
- MATLAB, Simulink, C, Python, Assembly, VHDL, ROS2, LabVIEW, Fusion 360, RobotStudio, ACE, and 3D modeling and printing.

HONORS

- Tau Beta Pi engineering honor society.
November 2024 to Present
- Dean's List honors
Spring 2024 - Spring 2025