

# German Israel Gonzalez Roman

Electrical Engineering Student | Controls and Power Systems

## OBJECTIVE

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

## EDUCATION

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University of South Florida

**Bachelor of Science in Electrical Engineering**

Tampa, FL

Expected December 2026

## WORK EXPERIENCE

USF Tampa

*Student Assistant*

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

*Undergraduate Researcher*

Tampa, FL

May 2025 – September 2025

- Designed and built the structural frame of a delta robot, including full assembly and operation.
- Collaborated with faculty an industry partner on testing and calibration for full operation.

United AC

*HVAC Technician*

Largo, FL

March 2019 – June 2022

- Installed, maintained, and repaired AC equipment

Polytechnic Institute of Tampa

*Instructor*

Clearwater, FL

August 2019 – July 2021

- Taught the basics of electricity and HVAC to students.

Adecco

Clearwater, FL

- Assembled transformers in ITI Facilities (General Electric).

February 2018 – January 2019

Various

*Industrial Automation and Controls Technician*

Santiago, Chile

2011 – 2017

- Maintained, troubleshot, and repaired industrial electrical systems while designing and installing automated processes to improve equipment performance.

## SKILLS

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- 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

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- Tau Beta Pi engineering honor society.

November 2024 to Present

- Dean's List honors

Spring 2024 - Spring 2025