

Jorgeandres Alvarez

Jorgeandresalvarez@aol.com | (727) 415-4976 | github.com/Jalvarez0311

Education

Florida Polytechnic University

Pursuing Bachelor's in Computer Science

Expected Graduation Date: May 2026

GPA 3.40

- Presidential Ambassador
- Coding and Math Teacher
- Roboboat Networks Lead
- SHPE Member
- Webmaster IEEE Society (2024)
- Lifeguard/Recreation Associate

Technical Skills

- Embedded Software Engineering
- Eloquent Speaker
- C, C++, Python, Java, SQL
- Computer Vision
- ROS2 Computing and Gazebo Simulation
- Object-Oriented Programming
- Database Management System
- Bilingual: Spanish
- 7 Years of Work Experience
- Artificial Intelligence

Professional Experience

Florida Polytechnic University

Undergraduate Research Assistant

Lakeland, FL

September 2025 — Present

- Conducted research to use Artificial Intelligence to diagnose thyroid cancer in patients with the use of smartphones.

Florida Polytechnic University

Roboboat Networks Lead

Lakeland, FL

August 2025 — Present

- Designed the Network communication for the team's autonomous boat. Also helped develop the path finding algorithm and developed the team website/team video.

Wiring Technologies Inc.

Low-Voltage Technician/Cable Technician

Lakeland, FL

December 2024 — August 2025

- Laid the infrastructure for the wiring system in a hospital being built in south Lakeland. Applied my knowledge of the data layer to compare it to the physical layer.

Integrity School of the Arts

Coding and Math tutor

Lakeland, FL

August 2022 — May 2025

- Taught basic concepts of Python, C++, and Java of classes ranging anywhere from 12-15 students per class.

Projects

Socket-Based Network Project

Users could connect to a server to download/upload files.

November 2024

CRM Software Project

Sponsored to create a database for Bill Krautler Photography and Hazely Corp.

January 2024-Present