

Trent Halama

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EDUCATION

College of the Florida Keys, Key West, FL

Aug 2020

Associates of Arts

Related Coursework: Introduction to Computer Science

Florida Polytechnic University, Lakeland, FL

May 2024

Bachelor of Science in Computer Engineering

Related Coursework: Object Oriented, Data Structures & Algorithms, Autonomous Robotics

ACADEMIC PROJECTS

Florida Polytechnic University, Lakeland, FL

Semi-Autonomous Robotics Project

Jan 2023 – May 2023

- Developed semi-autonomous robot using Raspberry Pi, Arduino Uno, Ultrasonic Sensor, and Servo Motors.
- Uses a basic path-planning algorithm to determine the best direction to move.

Marsupial Rover Auto Navigation Capstone Project

Sep 2023 – Present

- Working with the Florida Space Institute to improve the RASSOR model with autonomous functionality.
- Implemented Lidar functionality, wiring schematics, and program motor control.

WORK EXPERIENCE

Netally, Tallahassee, FL

May 2023 – Aug 2023

Intern

- Worked with database management and assisted with day-to-day operations.
- Developed webpage using HTML, CSS, and JavaScript.

ADDITIONAL EXPERIENCE

Florida Polytechnic University, Lakeland, FL

Orientation Leader

May 2023 – Dec 2023

- Provided mentorship with students to form connections and a seamless transition to the University from their previous institution.
- Conduct fun activities and engage with Freshmen and Transfer students to connect them to resources and continually check in with students throughout their first semester.

SKILLS

Front End: JavaScript, HTML, CSS

Back End: C, C++, C#, Python, Java

Additional Applications: MATLAB, Vulkan, Unity

LEADERSHIP

Florida Polycon | Student Government Association | Advocacy and Communication Committee