

Yoendry Ferro Santizo

305-923-8380 | YoendryFerroS@gmail.com | [linkedin.com/in/yoendryferro](https://www.linkedin.com/in/yoendryferro) |

EDUCATION

University Of Central Florida

Aug. 2021 – May 2026

Bachelors in Computer Science

Orlando, FL

- Related Coursework: Data Structures and Algorithms, Processes for Object Oriented Software Development, Systems Software, Web-Based Information Technology, Introduction to Robotics

TECHNICAL SKILLS

Languages: Java, C, Python, JavaScript, HTML/CSS, Haskell, C++

Developer Tools: Git, PyCharm, Jupyter Notebook, Google Colab, Arduino

PROJECTS

Future Fund | *JavaScript, CSS, HTML, OpenAI API,*

ShellHacks 2024

- Constructed a user-friendly website to teach minority users about compound interest, incorporating a **dynamic chatbot** using **OpenAI API** for real-time questions and a **compound interest simulator** for interactive learning.
- Collaborated with a team of four to enhance accessibility by integrating **Spanish translations** and embedding educational video links, improving financial literacy among users unfamiliar with technology.
- Improved upon valuable skills in **HTML**, **CSS**, and **JavaScript**, while successfully managing project timelines and team dynamics during my first hackathon experience.

Railroad Network Optimization | *Java, File I/O, Kruskal's algorithm, Merge Sort*

- Implemented a method to read and parse route data from a text file, managing vertices using a **Disjoint-Set**.
- Utilized **Kruskal's algorithm** to build the **MST (Minimum Spanning Tree)**, ensuring efficient **Union-Find** operations.
- Applied **Merge Sort** to organize routes by weight, facilitating optimal MST construction.

Gachapon Robot | *C++, Arduino*

- Collaborated in a **multidisciplinary team** to design 3D-printed components, electrical systems, and user interaction logic.
- Developed and implemented code for Arduino and laptop integration to manage coin detection, prize dispensing, and **interactive displays**.
- Designed and executed the **interaction algorithm** that identified peak user interaction times to optimize callout behavior, enhancing user engagement.

EXPERIENCE

Head Shift Lead

Nov. 2023 – Present

Twistee Treat UCF

Orlando, FL

- Monitor and manage labor costs during shifts, adjusting staffing to ensure efficiency and budget compliance.
- Provide leadership and training to high school staff, helping them develop necessary skills and understand job processes.

Bloomberg Tech Lab on Campus

Sep. 2024

University of Central Florida

Orlando, FL

- One of 40 students selected to collaborate with Bloomberg engineers in a small group setting to build an application using **RabbitMQ** and **Docker**.
- Utilized **Python** to design and implement a robust **message queue system** using RabbitMQ, enhancing **real-time data processing** and communication between producer and consumer components.
- Developed a deeper understanding of core Python/CS concepts (Classes, Inheritance, OOP), as well as **financial domain** knowledge (**Tickers**, Industry Sectors).

EXTRACURRICULARS

SHPE (Society of Hispanic Professional Engineers)

2024

Tech Committee, Pro Dev Committee, MentorSHPE Mentor

- Participated in the Professional Development Committee, supporting career development by critiquing resumes, interview responses, and elevator pitches.
- Served as a Mentor in the MentorSHPE program, providing guidance and support to five undergraduate students in computer science, focusing on academic achievement and career development.
- Contributed to the Tech Committee, providing guidance and support in various technical projects.