

Trent Halama

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EDUCATION

Florida Polytechnic University, Lakeland, FL

May 2024

*Bachelor of Science in **Computer Engineering***

Relevant Coursework: Virtual Reality, Object Oriented, Microprocessors, Robotics, Database, Signals

College of the Florida Keys, Key West, FL

Aug 2020

Associates of Arts Degree

Relevant Coursework: Introduction to Computer Science

PROFESSIONAL EXPERIENCE

INTERN

June 2023 – Aug 2023

Nettally, Tallahassee, FL

- Database management and assisted with day-to-day operations for the company.
- Development of reworking their front web page using HTML, CSS, and JavaScript.

ADDITIONAL EXPERIENCE

Engineering Representative

Oct 2023 – May 2024

Florida Polytechnic University – Student Government, Lakeland, FL

- Representing Engineers for the University in how the campus can be improved for students.
- Apart of the Advocacy and Communications Committee as a Vice-Chair
 - Help assist with aiding student concerns, run town halls, and events to learn about Student Government and campus resources.

Orientation Leader

May 2023 – Dec 2023

Florida Polytechnic University, Lakeland, FL

- Mentorship with students on the University lifestyle.
- 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.

Vice President of Vendors

May 2023 – Dec 2023

Florida Polytechnic University – Florida Polycon, Lakeland, FL

- Help facilitate a convention-style event in terms of contracting and negotiating with vendors.
- Oversee merchant/artist exhibit areas for attendees to purchase items from.

PROJECTS

Documents Dully

March 2024 – May 2024

- Virtual Reality (VR) game mimicking the game “Papers Please” in a VR experience.
- Collaboration effort in designing the mechanics and designing the assets required.
- Uses Unity to develop and experiment with Mixamo added for character movement.

Mobile Security Awareness Training

March 2024 – May 2024

- Training game to make users aware of mobile security threats and the best way to approach.
- Collaboration effort in designing the mechanics and establishing connection with a database.
- Uses JavaFX for the visuals of the game and SQL for creating and storing user scores in the database server.

RASSOR Capstone Project

Oct 2023 – May 2024

- Working with the Florida Space Institute to improve the RASSOR model with autonomous functionality using a flywheel design to dig 15 degrees downward in a Lunar Crater.
- Implemented LiDAR functionality, wiring schematics, and Motor controls using Stepper type.

SKILLS

- **Software:** Unity, GitHub, IntelliJ, Visual Studio, MATLAB, Fritzing, DataGrip, VirtualBox, Unix
- **Programming Languages:** C/C++/C#, Java, HTML, CSS, JavaScript, SQL, Python