Ryan Smith

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WORK EXPERIENCE

Thales   **May 2023 – Present**
Software Engineer   *Melbourne, FL*
- Developed and maintained embedded systems software for Inflight Entertainment and Connectivity systems.
- Assumed responsibility for software development and maintenance of legacy IFEC systems.
- Executed the upgrade of critical systems from CentOS 7 to AlmaLinux.
- Participated in Thales's Graduate Program, focusing on ESG project development and presentation to senior leadership. Returned as a mentor for subsequent program cohorts.
  - **Stack:** Linux, C++, Python, Bash/Shell, VSCode, Jira, Confluence, Git, Gitlab

Intevations LLC   **Sep. 2021 – May 2022**
Software Engineer Intern   *Fort Myers, FL*
- Developed a Job Data Analysis application to help streamline the transition of veterans from military to civilian jobs.
- Partnered with project sponsors to effectively gather and define project requirements, ensuring alignment with stakeholder needs.
- Designed and built the application's front-end interface using Flask
- Established and maintained a Continuous Integration/Continuous Delivery (CI/CD) pipeline

Florida Gulf Coast University   **Jan. 2020 – Dec. 2021**
Learning Assistant   *Fort Myers, FL*
- Supported students in Programming II, reinforcing understanding of programming concepts.
- Provided office hours for tutoring, troubleshooting, debugging, and academic advice.
- Guided group discussions, promoting collaborative learning and engagement.
- Communicated student needs to instructors, advocating for student success.

EDUCATION

Florida Gulf Coast University   **May, 2022**
BS, Software Engineering   *Fort Myers, FL*
- U.A. Whitaker College of Engineering Ambassador
- Community Engagement and Research Day 2022 Presenter
- Most Impactful Hack winner Hackabull 2021

PROJECTS

NYC Subway Live Map Wall   **github.com/rpsmith77/nyc-subway-map**
- Developed a wall-mounted art piece displaying live NYC subway train locations using MTA real-time data.
  - **Technologies:** C++, Docker, JSON, ESP32-S3 Microcontroller, Programmable LEDs, GTFS-Realtime data, PlatformIO, VSCode

WDW Live Info   **rpsmith77.github.io/wait_times/**
- Developed a web application to display real-time wait times, show schedules, and restaurant availability for Walt Disney World theme parks.
  - **Technologies:** React, NodeJS, Javascript, REST API, MUI, GitHub

CERTIFICATIONS, SKILLS & INTERESTS

- **Skills:** C++, C, Linux, Embedded Systems Development, Scrum, Python, Shell Scripting, CI/CD, Debugging
- **Interests:** Woodworking, Reading, Audio Animatronics, Storytelling, Creating Effective and Engaging Software