Ryan Smith

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WORK EXPERIENCE

Thales   **May 2023 – Present**
Software Engineer   *Melbourne, FL*
- Delivered key software enhancements for embedded Inflight Entertainment and Connectivity products, successfully adding new capabilities and extending system functionality based on evolving requirements.
- Spearheaded the end-to-end support and maintenance of legacy IFEC systems, acting as the primary engineer for root cause analysis, critical bug fixes, and feature development.
- 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, Docker, VSCode, Jira, Confluence, Git, Gitlab, CI/CD

Intevations LLC   **Sep. 2021 – May 2022**
Software Engineer Intern   *Fort Myers, FL*
- Developed a Job Data Analysis application to 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.
- Guided group discussions, promoting collaborative learning and engagement.

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, Javascript, REST API, MUI, GitHub

CERTIFICATIONS, SKILLS & INTERESTS

- **Certification:** GitLab Certified CI/CD Associate
- **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