Michael Ippolito

(678) 588-4810 • Orlando, FL • michaelippolito234@gmail.com • michaelrippolito.com • Active Secret Clearance

SKILLS

Languages: C/C++ | Python | C# | HTML/CSS/JavaScript | Java | Flutter

Frameworks: Asio | NumPy | Pandas | Django | NodeJS | React

Tools/OS: Linux | Git/Gitlab/Github | VSCode | Visual Studio | Jira | Confluence | Firebase

EXPERIENCE

Software Engineer   October 2022 - Present
Lockheed Martin RMS | Orlando, FL
- Developed and maintained software for IO devices and hardware using C++ and C programming languages
- Worked collaboratively with senior software engineers to ensure the final product aligns with technical documentation and design specifications
- Optimized and debugged code for improved performance, ensuring smooth integration with hardware components
- Utilized software development tools such as debuggers, version control systems, and unit testing frameworks to streamline the software development process
- Participated in Agile development processes including sprint planning, daily stand-ups, and retrospectives

Electronics Engineer   July 2021 - September 2022
402d Software Engineering Group RAFB | Warner Robins, GA
- Developed and implemented multiple desktop applications that significantly increased the productivity of simulation file creation by 80%
- Utilized Python with Numpy to create efficient and user-friendly scripts for file conversion to XML, CSV, and other formats, handling large amounts of data with ease
- Adapted Java APIs to extract critical information from databases and designed WPF applications using C# to manipulate data and create intuitive user interfaces, enhancing user experience and workflow efficiency
- Coordinated and led cross-functional teams in problem-solving, troubleshooting, and documenting various applications, ensuring smooth operations and effective knowledge transfer
- Maintained a secret-level security clearance and adhered to the Department of Defense guidelines to safeguard classified information, ensuring secure data management and storage

Flutter App Developer   August 2020 - May 2021
Mercer University School of Engineering | Macon, GA
- Developed a responsive mobile application using Flutter and Dart that streamlined the process for new college students to navigate Mercer University's School of Engineering, resulting in 90% increase in user satisfaction
- Utilized Firebase database tools to create a dynamic app that can be easily updated with new content, providing real-time information to users and keeping the app relevant and useful
- Optimized the app for cross-platform use, ensuring that it works seamlessly on both iOS and Android devices

EDUCATION

Mercer University | Macon, GA   August 2017 - May 2021
Bachelor of Engineering, Electronics and Electrical Engineering