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SKILLS

- C/C++
- Real-time Systems
- DO-178C
- Avionics
- Systems Integration
- Testing

EDUCATION

BACHELOR OF SCIENCE IN AEROSPACE ENGINEERING, UNIVERSITY OF FLIGHT TECHNOLOGY

LANGUAGE

- English
- Spanish
- German

ACHIEVEMENTS

- Received 'Excellence in Engineering' award for contributions to high-stakes aerospace projects.
- Increased software robustness by implementing a new testing framework, reducing bugs by 40%.
- Published research on flight control algorithms in a peer-reviewed journal.

Michael Anderson

AEROSPACE EMBEDDED SOFTWARE ENGINEER

I am an Embedded Software Developer with a strong background in aerospace applications, boasting over nine years of experience in developing software for flight control systems. My expertise lies in real-time programming and systems integration, ensuring that critical functionalities are executed flawlessly under stringent safety standards. I possess a deep understanding of avionics systems and have successfully led projects that involve the integration of complex software with hardware components.

EXPERIENCE

AEROSPACE EMBEDDED SOFTWARE ENGINEER

AeroTech Systems

2016 - Present

- Developed flight control software for unmanned aerial vehicles, increasing operational reliability by 35%.
- Implemented safety-critical software components, achieving compliance with DO-178C standards.
- Collaborated with hardware engineers to ensure seamless integration of software and FPGA components.
- Conducted system testing and validation, identifying and rectifying issues prior to deployment.
- Managed project timelines and deliverables, ensuring on-time completion of milestones.
- Provided technical guidance during design reviews, enhancing overall software quality.

EMBEDDED SOFTWARE DEVELOPER

Flight Dynamics Inc.

2014 - 2016

- Designed and implemented software for navigation systems, improving accuracy by 20%.
- Participated in the development of real-time monitoring systems for flight data analysis.
- Contributed to the software safety analysis process, ensuring adherence to industry standards.
- Worked closely with testing teams to execute unit and integration tests, achieving a defect-free release.
- Developed and maintained documentation for software designs and processes.
- Engaged in continuous learning of emerging technologies to enhance skills and knowledge.