



Michael ANDERSON

EMBEDDED SYSTEMS ENGINEER

Innovative Embedded Systems Engineer with over 6 years of experience in the aerospace industry. My expertise lies in developing high-reliability embedded systems for flight control and navigation applications. I possess a strong foundation in both theoretical and practical aspects of embedded systems design, with a focus on safety-critical systems. My career has been characterized by a commitment to excellence and a passion for exploring new technologies.

CONTACT

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SKILLS

- Avionics Systems
- Safety Standards
- System Simulation
- Testing Frameworks
- Risk Analysis
- Team Collaboration

LANGUAGES

- English
- Spanish
- French

EDUCATION

**BACHELOR OF SCIENCE IN AEROSPACE
ENGINEERING, NATIONAL INSTITUTE
OF AERONAUTICS, 2014**

ACHIEVEMENTS

- Received 'Excellence in Engineering' award for outstanding project contributions.
- Contributed to a project that improved navigation accuracy by 30%.
- Successfully led a team in achieving certification for a new avionics system.

WORK EXPERIENCE

EMBEDDED SYSTEMS ENGINEER

AeroDynamics Corp.

2020 - 2025

- Developed embedded software for avionics systems, achieving a 40% increase in system reliability.
- Collaborated with cross-functional teams to ensure compliance with DO-178C standards.
- Conducted failure mode analysis to identify and mitigate potential risks in system design.
- Implemented automated testing frameworks to streamline testing processes.
- Utilized modeling tools for system simulation and validation, reducing development time.
- Presented project findings at industry conferences, enhancing company visibility.

JUNIOR EMBEDDED ENGINEER

FlightTech Solutions

2015 - 2020

- Assisted in the development of embedded applications for UAV systems.
- Engaged in rigorous testing protocols to ensure system performance under various conditions.
- Documented system specifications and design processes for compliance audits.
- Supported senior engineers in troubleshooting and debugging complex systems.
- Participated in project planning sessions to define deliverables and timelines.
- Maintained an updated understanding of aerospace technologies and regulations.