



MICHAEL ANDERSON

Senior Flight Systems Engineer

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SUMMARY

A highly accomplished Flight Systems Engineer with over 10 years of experience in the aerospace industry. Specializing in the design, development, and testing of advanced flight control systems for commercial and military aircraft. Possesses a strong technical foundation in aerodynamics, dynamics, and software integration, complemented by a proven track record of successful project management and cross-functional collaboration.

WORK EXPERIENCE

Senior Flight Systems Engineer AeroTech Innovations

Jan 2023 - Present

- Led the design and implementation of flight control algorithms for next-generation UAVs.
- Collaborated with cross-disciplinary teams to integrate avionics systems into new aircraft models.
- Conducted rigorous testing and validation of flight systems to ensure compliance with FAA regulations.
- Utilized MATLAB and Simulink for simulation and modeling of flight dynamics.
- Provided technical expertise during certification processes and safety assessments.
- Mentored junior engineers on system design and testing methodologies.

Flight Systems Engineer Skyward Technologies

Jan 2020 - Dec 2022

- Developed algorithms for autopilot systems to enhance flight stability and performance.
 - Performed system integration testing for advanced flight systems in commercial aircraft.
 - Analyzed flight data to identify trends and recommend design improvements.
 - Collaborated with software engineers to address issues in flight control software.
 - Participated in design reviews and presented findings to senior management.
 - Documented engineering processes and maintained compliance with industry standards.
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EDUCATION

Master of Science in Aerospace Engineering, University of Colorado Boulder

Sep 2019 - Oct 2020

ADDITIONAL INFORMATION

- **Technical Skills:** Aerospace engineering, Flight control systems, MATLAB, Simulink, Project management, Safety compliance
- **Awards/Activities:** Successfully led a team that reduced flight control system errors by 30%.
- **Awards/Activities:** Awarded 'Engineer of the Year' for outstanding contributions to flight safety.
- **Awards/Activities:** Published research on UAV control in a leading aerospace journal.
- **Languages:** English, Spanish, French