George Smith

Flight Test Engineer

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Profile Summary

Dynamic and results-driven Flight Test Engineer with over 8 years of experience in leading comprehensive aircraft testing and evaluation initiatives. Proven expertise in optimizing aircraft performance through meticulous planning, analysis, and execution of complex test procedures. Combines strong technical acumen with exceptional problem-solving skills to ensure adherence to safety and quality standards while achieving project milestones.

Work Experience

Senior Flight Test Engineer

Boeing
1st Apr, 2017 - Present

- Led a team of 6 engineers in the successful completion of over 50 flight test projects, consistently meeting 100% of project deadlines.
- Devised and implemented improved data acquisition processes, reducing testing time by 20% and enhancing data accuracy.
- Conducted performance and reliability tests on the Boeing 787 Dreamliner, contributing to critical aerodynamic and structural evaluations.

Flight Test Engineer

Lockheed Martin
1st Jun, 2013 - 31st Mar, 2017

- Managed and coordinated cross-functional teams in execution of test flights for military aircraft, ensuring compliance with stringent safety and performance criteria.
- Streamlined reporting processes that decreased reporting time by 30%, significantly enhancing decision-making efficiency.
- Collaborated with avionics teams to develop and implement advanced flight control systems, enhancing maneuverability and flight safety.

Education

Massachusetts Institute of Technology

Master of Science in Aeronautics and Astronautics
1st Sep, 2011 - 31st May, 2013

Purdue University

Bachelor of Science in Aerospace Engineering
1st Sep, 2007 - 31st May, 2011

Skills

Flight Testing, Data Analysis, Project Management, Aerodynamics, MATLAB, Simulink, Problem Solving

Notable Projects

Next-Gen Aircraft Testing
Spearheaded testing of next-generation commercial aircraft, focusing on flight performance, safety systems integration, and overall functionality, which resulted in a 15% improvement in fuel efficiency.

Military UAV Flight Dynamics
Co-led the enhancement of UAV flight dynamics for military applications, resulting in a 25% increase in operational efficiency and system response time through innovative aerodynamic designs.

Certifications

Professional Engineer (PE) License
Issued by National Council of Examiners for Engineering and Surveying (NCEES), 5th Jan, 2014

Certified Flight Test Engineer
Issued by International Test and Evaluation Association (ITEA), 12th Jun, 2016

Awards

Outstanding Flight Test Professional
Awarded by Society of Flight Test Engineers, 15th Mar, 2018

Excellence in Aerospace Engineering Award
Awarded by Lockheed Martin, 10th Nov, 2015