

George A. Wright

Aerospace Engineer

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Profile Summary

Dedicated and knowledgeable Aerospace Engineer with over 5 years of experience in aircraft systems and propulsion design. Proven track record of enhancing aerospace technologies to improve efficiency and safety standards. Adept at project management and collaborative design processes, ensuring cost-effective and innovative solutions. Seeking to leverage expertise to contribute to a forward-thinking aerospace firm.

Work Experience

Aerospace Systems Engineer

Boeing

1st June, 2018 - Present

- Led a team of 5 engineers in designing and optimizing an aircraft fuel system, resulting in 15% increased fuel efficiency.
- Collaborated with cross-functional teams to achieve a 10% reduction in production costs by implementing innovative manufacturing processes.
- Conducted wind tunnel testing and analysis, improving aerodynamic performance by 8% and ensuring compliance with FAA standards.

Propulsion Engineer

Northrop Grumman

1st Aug, 2015 - 31st May, 2018

- Developed propulsion systems for unmanned aircraft, reducing overall weight by 12% and increasing thrust output by 10%.
- Managed project milestones and budgets, resulting in on-time delivery and \$200K under budget for a critical defense contract.
- Played a key role in the successful testing of a new hybrid propulsion technology, contributing to a company-wide adoption.

Education

Massachusetts Institute of Technology

Master of Science in Aerospace Engineering

1st Sep, 2013 - 14th Jun, 2015

California Institute of Technology

Bachelor of Science in Mechanical Engineering

1st Sep, 2009 - 15th Jun, 2013

Skills

aerodynamics, propulsion systems, CAD software, MATLAB, project management

Notable Projects

Hybrid Rocket Project

Spearheaded a collaborative university-industry project to design a hybrid rocket engine, achieving 20% higher efficiency than traditional models.

Unmanned Aerial Vehicle Development

Contributed to the design and testing of an innovative UAV, improving flight endurance by 25% through advanced materials and propulsion systems.

Certifications

Certified Aerospace Technician

Issued by Federal Aviation Administration, 1st Jan, 2020

Awards

Innovative Engineering Award

Awarded by American Institute of Aeronautics and Astronautics, 1st Nov, 2019