Bo Sumera

Aerospace Engineer

Aerospace Engineer with 1 year of experience in designing and analyzing aerospace systems. Highly skilled in utilizing advanced engineering software for simulation and modeling, with a strong understanding of aerodynamics and propulsion principles. Demonstrated ability to work collaboratively in team environments while consistently meeting project deadlines. Committed to continuous learning and professional development within the aerospace industry.

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123 Maple Street, Charleston, WV 25301

Education

Bachelor of Science in Aerospace Engineering at West Virginia University, Morgantown, WV

Sep 2018 - May 2022

Relevant Coursework: Aerodynamics, Astrodynamics, Aircraft Structures, Propulsion Systems, Flight Mechanics, Control Systems, Aerospace Materials, Fluid Mechanics, Thermodynamics, and Engineering Mathematics.

Links

linkedin.com/in/bosumera

Skills

- Aerodynamics
- Propulsion
- Avionics
- Structures
- Materials Science
- Control Systems
- Computational Fluid Dynamics

Employment History

Aerospace Engineer at Aurora Flight Sciences, WV

Apr 2023 - Present

- Led the development of a lightweight, high-performance aircraft, resulting in a 20% reduction in fuel consumption and a 15% increase in cruise speed compared to similar-sized aircraft.
- Managed a team of 25 engineers to successfully design, test, and integrate a new propulsion system for an unmanned aerial vehicle (UAV), increasing its range by 30% and payload capacity by 10%.
- Oversaw the successful completion of a $50 million government contract for the development of an advanced aerospace control system, delivering the project on time and within budget while achieving a 95% customer satisfaction rating.

Associate Aerospace Engineer at Pratt & Whitney, WV

Sep 2022 - Mar 2023

- Successfully designed and optimized a high-efficiency jet engine component, resulting in a 15% reduction in fuel consumption and a 20% decrease in emissions, contributing to significant cost savings and environmental benefits for the company and its clients.
- Independently led a cross-functional team of engineers and technicians in the development and testing of a new lightweight composite material for aircraft structures, achieving a 10% weight reduction and a 5% increase in overall structural strength.
- Streamlined the manufacturing process for a critical aerospace component, implementing advanced automation techniques that reduced production time by 25%, increased output by 30%, and improved overall product quality.
- Played a key role in securing a $50 million contract with a major aerospace client, by effectively presenting and demonstrating the superior performance and cost advantages of Pratt & Whitney's advanced propulsion systems in a highly competitive market.

Certificates

Certified Systems Engineering Professional (CSEP)

Dec 2021

Aeronautical Engineer Certification from the International Council on Systems Engineering

Apr 2020