



MICHAEL ANDERSON

LEAD PROPULSION ENGINEER

PROFILE

An accomplished Aerospace Engineering Consultant with a robust background in propulsion systems and aerodynamics, possessing over a decade of relevant experience. Demonstrates a deep understanding of fluid dynamics and thermodynamics, applying this knowledge to enhance aircraft performance and efficiency. Proven expertise in conducting feasibility studies and developing innovative engineering solutions that meet rigorous performance standards.

EXPERIENCE

LEAD PROPULSION ENGINEER

JetProp Technologies

2016 - Present

- Designed and tested advanced propulsion systems that improved thrust efficiency by 25%.
- Conducted computational fluid dynamics (CFD) simulations to optimize engine performance.
- Collaborated with research teams to develop innovative fuel alternatives for aircraft.
- Managed project timelines and budgets, ensuring alignment with strategic goals.
- Presented findings to executive leadership, influencing key investment decisions.
- Trained junior engineers on best practices in propulsion system design.

AEROSPACE ANALYST

AeroDynamics Inc.

2014 - 2016

- Analyzed aerodynamic performance of aircraft using wind tunnel testing and simulations.
- Created technical reports detailing findings and recommendations for design improvements.
- Supported the development of new aircraft models through comprehensive data analysis.
- Collaborated with design teams to address aerodynamic challenges in early project phases.
- Participated in cross-disciplinary teams to enhance project outcomes.
- Developed training materials for internal knowledge sharing on aerodynamics.

CONTACT

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- San Francisco, CA

SKILLS

- Propulsion Systems
- Aerodynamics
- CFD
- Technical Reporting
- Data Analysis
- Team Collaboration

LANGUAGES

- English
- Spanish
- French

EDUCATION

BACHELOR OF SCIENCE IN AEROSPACE
ENGINEERING, MASSACHUSETTS
INSTITUTE OF TECHNOLOGY

ACHIEVEMENTS

- Led a project that resulted in a 40% increase in propulsion efficiency for a major aircraft model.
- Awarded the Innovation in Propulsion Award for groundbreaking work on sustainable fuels.
- Published multiple papers in aerospace conferences, enhancing industry visibility.