

MICHAEL ANDERSON

Senior Aerodynamics Engineer

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Strategic Aerodynamics Engineer with a focus on commercial aircraft design, offering over 10 years of experience in optimizing aerodynamic performance for large-scale aviation projects. Expertise in utilizing advanced simulation tools and methodologies to enhance aircraft efficiency and compliance with international standards. Proven ability to lead cross-functional teams in the development of innovative aerodynamic solutions that improve operational performance.

WORK EXPERIENCE

Senior Aerodynamics Engineer | Global Aviation Solutions

Jan 2022 – Present

- Directed aerodynamic analyses for commercial aircraft development.
- Utilized CFD software to optimize aircraft designs for fuel efficiency.
- Conducted wind tunnel testing to validate design concepts.
- Collaborated with regulatory agencies to ensure compliance with aviation standards.
- Managed project timelines and budgets to achieve strategic goals.
- Presented aerodynamic research findings to stakeholders and executive teams.

Aerodynamics Engineer | AeroDesign International

Jul 2019 – Dec 2021

- Performed aerodynamic simulations for various aircraft models.
- Assisted in the design and testing of new wing configurations.
- Analyzed data to inform design iterations and improvements.
- Collaborated with engineering teams to integrate aerodynamic features.
- Supported the preparation of technical reports for project evaluations.
- Participated in design reviews to ensure project alignment with goals.

SKILLS

Aerospace Engineering

CFD

Project Management

Compliance

Wind Tunnel Testing

Team Leadership

EDUCATION

Master of Science in Aerospace Engineering

2015 – 2019

California Institute of Technology

ACHIEVEMENTS

- Led a project that resulted in a 15% reduction in aircraft fuel consumption.
- Received the 'Excellence in Engineering' award for innovative aerodynamic solutions.
- Published multiple articles in aviation journals on aerodynamic advancements.

LANGUAGES

English

Spanish

French