



MICHAEL ANDERSON

DYNAMICS ENGINEER

PROFILE

Dedicated Dynamics Engineer with 5 years of experience in aerospace engineering, focusing on the dynamics of aircraft systems. Expertise in developing and testing aerodynamic models to enhance flight performance and safety. Proficient in using computational fluid dynamics (CFD) software to simulate air flow and its impact on aircraft dynamics. Strong background in collaborating with multidisciplinary teams to integrate dynamic systems within larger aerospace projects.

EXPERIENCE

DYNAMICS ENGINEER

Skyward Aerospace

2016 - Present

- Conducted aerodynamic simulations to optimize aircraft wing designs, achieving a 12% increase in lift-to-drag ratio.
- Implemented dynamic modeling techniques to predict aircraft behavior under various flight conditions.
- Collaborated with systems engineers to integrate dynamic models into flight control systems.
- Utilized ANSYS Fluent for computational fluid dynamics analysis.
- Presented simulation results to clients, providing insights that informed design decisions.
- Participated in design reviews, offering expertise on dynamic performance considerations.

JUNIOR DYNAMICS ENGINEER

AeroTech Innovations

2014 - 2016

- Assisted in the development of dynamic models for unmanned aerial vehicles (UAVs).
- Performed data analysis on flight test results to validate dynamic performance.
- Supported senior engineers in the design and testing of new aircraft components.
- Utilized MATLAB for dynamic simulations and data processing.
- Maintained documentation of modeling procedures and test results.
- Contributed to team brainstorming sessions to enhance dynamic system performance.

CONTACT

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- San Francisco, CA

SKILLS

- Computational Fluid Dynamics
- MATLAB
- ANSYS Fluent
- Dynamic Modeling
- Aerospace Systems
- Flight Dynamics

LANGUAGES

- English
- Spanish
- French

EDUCATION

BACHELOR OF SCIENCE IN AEROSPACE
ENGINEERING, EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY, 2016

ACHIEVEMENTS

- Successfully led a project that reduced aerodynamic drag by 10% through innovative wing design.
- Received the 'Outstanding Engineer' award for exceptional performance at Skyward Aerospace.
- Contributed to a research paper published in an industry journal on UAV dynamics.