MA

Michael
ANDERSON

CONTACT

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- San Francisco, CA

PRINCIPAL CAE ENGINEER

A dynamic Aerospace CAE Engineer with a strong focus on computational modeling and simulation in the aerospace domain. Over 9 years of experience in developing and implementing advanced simulation strategies to support the design and analysis of aerospace systems. Expertise in utilizing leading-edge software tools to enhance the accuracy of simulations and optimize performance.

SKILLS

- Computational Modeling
- Simulation Strategies
- HyperMesh
- Team Leadership
- Data Analysis
- Project Management

WORK EXPERIENCE

PRINCIPAL CAE ENGINEER
AeroDesign Technologies
2020 - 2025

- Led simulation projects for new aircraft design initiatives.
- Developed advanced computational models for performance analysis.
- Collaborated with design teams to refine product specifications.
- Implemented simulation best practices across engineering teams.
- Utilized software tools like HyperMesh for mesh generation.
- Presented simulation results at industry conferences.

CAE ANALYST
Innovative Aerospace Solutions
2015 - 2020

- Supported the development of simulation protocols for aircraft systems.
- Conducted sensitivity analyses to optimize design parameters.
- Utilized MATLAB for data analysis and reporting.
- Collaborated with cross-functional teams on project deliverables.
- Documented findings and contributed to project reports.
- Engaged in continuous learning to adopt new simulation techniques.

LANGUAGES

- English
- Spanish
- French

EDUCATION

MASTER OF SCIENCE IN MECHANICAL ENGINEERING, STANFORD UNIVERSITY

ACHIEVEMENTS

- Improved simulation turnaround time by 30% through process optimization.
- Received 'Innovation Award' for development of new modeling techniques.
- Published multiple papers in peer-reviewed journals on simulation advancements.