



# MICHAEL ANDERSON

## Senior Aerospace CAD Engineer

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### SUMMARY

An accomplished Aerospace CAD Engineer with extensive expertise in advanced design and simulation methodologies. Proficient in utilizing cutting-edge CAD software to produce high-fidelity models and simulations, ensuring compliance with stringent aerospace industry standards. Demonstrated ability to lead design projects from conception through to production, leveraging analytical skills to optimize performance and reduce costs.

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### WORK EXPERIENCE

#### Senior Aerospace CAD Engineer AeroTech Innovations

Jan 2023 - Present

- Led the development of aerodynamic models for new aircraft designs.
- Utilized CATIA and SolidWorks for 3D modeling and simulation.
- Collaborated with structural engineers to ensure design integrity.
- Conducted failure analysis and implemented design improvements.
- Managed project timelines and deliverables effectively.
- Presented design concepts to stakeholders for approval.

#### Aerospace CAD Designer Skyline Engineering

Jan 2020 - Dec 2022

- Developed detailed CAD drawings for aerospace components.
  - Performed computational fluid dynamics simulations.
  - Assisted in the design review process with aerospace experts.
  - Maintained documentation of design changes and iterations.
  - Trained junior engineers on CAD tools and best practices.
  - Ensured compliance with FAA regulations in all designs.
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### EDUCATION

#### Master of Science in Aerospace Engineering, Massachusetts Institute of Technology

Sep 2019 - Oct 2020

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### ADDITIONAL INFORMATION

- **Technical Skills:** CAD, CATIA, SolidWorks, CAM, CFD, Project Management
- **Awards/Activities:** Achieved a 15% reduction in design time through process optimization.
- **Awards/Activities:** Received the 'Engineer of the Year' award in 2021 for exceptional contributions.
- **Awards/Activities:** Successfully led a project that resulted in a 20% cost saving on material procurement.
- **Languages:** English, Spanish, French