



# MICHAEL ANDERSON

## CAE ENGINEER

### CONTACT

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-  San Francisco, CA

### SKILLS

- Structural Analysis
- CATIA
- NASTRAN
- Optimization Techniques
- Project Management
- Team Collaboration

### LANGUAGES

- English
- Spanish
- French

### EDUCATION

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

### ACHIEVEMENTS

- Achieved a 35% reduction in analysis time through process optimization.
- Recognized for outstanding teamwork in a high-stakes aerospace project.
- Contributed to a project that received the 'Best New Product' award at an industry conference.

### PROFILE

Results-oriented CAE Engineer with 5 years of experience in the aerospace sector, focusing on structural analysis and optimization of aircraft components. My background is rooted in applying advanced simulation techniques to ensure safety and compliance with stringent regulatory standards. I excel in utilizing tools such as CATIA and NASTRAN to perform detailed analyses that inform design decisions and enhance product reliability.

### EXPERIENCE

#### CAE ENGINEER

##### Skyward Dynamics

2016 - Present

- Conducted structural analyses of aircraft wings and fuselage using finite element modeling.
- Collaborated with design teams to integrate simulation feedback into the development process.
- Developed and validated testing protocols to verify simulation results in real-world scenarios.
- Improved accuracy of simulations by 25% through the implementation of new meshing techniques.
- Managed project timelines effectively, delivering results ahead of schedule.
- Presented analysis outcomes to clients, enhancing stakeholder confidence in design integrity.

#### JUNIOR CAE ANALYST

##### AeroTech Solutions

2014 - 2016

- Assisted senior engineers in performing static and dynamic analysis of aerospace components.
- Utilized NASTRAN for finite element analysis and optimization of designs.
- Prepared comprehensive reports detailing analysis methodologies and findings for review.
- Participated in design iteration meetings to provide simulation insights.
- Improved simulation turnaround time by 20% through efficient data management practices.
- Engaged in continuous learning to enhance CAE skill set and software proficiency.