



MICHAEL ANDERSON

LEAD CFD ENGINEER

CONTACT

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- San Francisco, CA

SKILLS

- CFD
- Thermal Analysis
- Propulsion Systems
- ANSYS
- Team Leadership
- Technical Reporting

LANGUAGES

- English
- Spanish
- French

EDUCATION

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING, STANFORD UNIVERSITY, 2014

ACHIEVEMENTS

- Improved engine efficiency by 10% through CFD optimization.
- Received 'Excellence in Engineering' award at Aerospace Dynamics.
- Co-authored a paper on propulsion systems published in a leading journal.

PROFILE

An accomplished Aerospace Engineer specializing in CFD with a focus on propulsion systems and thermal management. Expertise in utilizing cutting-edge computational tools to predict and enhance the performance of aerospace vehicles. Demonstrated ability to lead multidisciplinary teams in high-stakes environments, ensuring project deliverables meet rigorous safety and performance standards. Strong analytical skills combined with a solid foundation in fluid dynamics, heat transfer, and system integration.

EXPERIENCE

LEAD CFD ENGINEER

Aerospace Dynamics

2016 - Present

- Directed CFD studies for advanced propulsion systems.
- Enhanced thermal management strategies using simulation tools.
- Collaborated with fabrication teams to implement design changes.
- Conducted root cause analysis for performance issues.
- Facilitated training workshops on CFD software.
- Authored technical reports for project stakeholders.

CFD ENGINEER

Jet Propulsion Labs

2014 - 2016

- Executed simulations for jet engine performance evaluations.
- Applied CFD tools to optimize fuel efficiency.
- Collaborated on cross-disciplinary teams for project success.
- Presented findings at industry conferences.
- Maintained detailed records of simulation processes.
- Contributed to patent applications for innovative designs.