



MICHAEL ANDERSON

Senior CFD Engineer

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SUMMARY

A highly skilled CFD Aerospace Engineer with extensive experience in computational fluid dynamics and aerodynamics analysis. Proven track record of leading complex projects in the aerospace sector, utilizing advanced simulation tools to optimize design processes. Adept at collaborating with cross-functional teams to enhance product performance and ensure compliance with stringent regulatory standards.

WORK EXPERIENCE

Senior CFD Engineer AeroTech Innovations

Jan 2023 - Present

- Led CFD simulations for next-generation aircraft designs.
- Developed and validated aerodynamic models using ANSYS Fluent.
- Collaborated with design teams to refine aerodynamic performance.
- Conducted wind tunnel testing to verify simulation results.
- Mentored junior engineers in best CFD practices.
- Presented findings to senior management for strategic planning.

CFD Analyst Sky Dynamics Corp.

Jan 2020 - Dec 2022

- Performed detailed fluid dynamics analysis for UAV projects.
 - Utilized OpenFOAM for complex simulations.
 - Analyzed data to optimize propulsion systems.
 - Worked with multidisciplinary teams on project specifications.
 - Provided technical support during project development phases.
 - Documented simulation processes for compliance and audits.
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EDUCATION

Master of Science in Aerospace Engineering, MIT, 2014

Sep 2019 - Oct 2020

ADDITIONAL INFORMATION

- **Technical Skills:** CFD, ANSYS Fluent, OpenFOAM, Aerodynamics, Numerical Methods, Wind Tunnel Testing
- **Awards/Activities:** Reduced drag coefficient by 15% in aircraft design.
- **Awards/Activities:** Received 'Innovator of the Year' award at AeroTech Innovations.
- **Awards/Activities:** Published research on CFD methodologies in an international journal.
- **Languages:** English, Spanish, French