MA

MICHAEL ANDERSON

FLUID SYSTEMS ENGINEER

CONTACT

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SKILLS

- Computational Fluid Dynamics
- Fluid Systems Optimization
- Data Analysis
- Team Collaboration
- Technical Reporting
- Prototyping

LANGUAGES

- English
- Spanish
- French

EDUCATION

BACHELOR'S DEGREE IN MECHANICAL ENGINEERING, UNIVERSITY OF MICHIGAN

ACHIEVEMENTS

- Led a project that resulted in a 12% increase in vehicle fuel efficiency.
- Received 'Outstanding Performance Award' at TurboDrive Automotive in 2019.
- Authored a technical paper on fluid dynamics applications in automotive design.

PROFILE

I am a Fluid Mechanics Engineer with a diverse background in the automotive sector, focusing on the optimization of fluid systems in vehicle design. With over eight years of experience, I have honed my skills in computational fluid dynamics and fluid system modeling to enhance vehicle performance and efficiency.

EXPERIENCE

FLUID SYSTEMS ENGINEER

TurboDrive Automotive

2016 - Present

- Analyzed fluid flow in vehicle cooling systems to improve thermal efficiency.
- Implemented CFD simulations that optimized fuel delivery systems, enhancing engine performance.
- Collaborated with design engineers to integrate fluid mechanics into new vehicle models.
- Conducted experiments to validate simulation results, ensuring design accuracy.
- Monitored and analyzed fluid system performance during vehicle testing phases.
- Documented findings and provided recommendations to improve fluid system designs.

JUNIOR FLUID MECHANICS ENGINEER

Drive Dynamics Inc.

2014 - 2016

- Assisted in the development of fluid models for automotive applications.
- Supported senior engineers in conducting CFD analysis and simulations.
- Participated in prototype testing, gathering data for performance evaluation.
- Contributed to reports detailing performance improvements and design recommendations.
- Worked with cross-functional teams to ensure fluid mechanics considerations were met.
- Developed documentation for design processes and testing protocols.