



MICHAEL ANDERSON

THERMAL ENGINEER

PROFILE

Innovative Thermal Engineer with 5 years of experience in the automotive industry, specializing in thermal management systems for electric vehicles. My expertise lies in designing efficient cooling systems that enhance battery performance and extend vehicle range. I have successfully led projects focused on integrating thermal solutions into vehicle designs, resulting in significant improvements in overall vehicle efficiency.

EXPERIENCE

THERMAL ENGINEER

Electric Drive Co.

2016 - Present

- Designed and optimized cooling systems for electric vehicle batteries, improving thermal efficiency by 25%.
- Utilized MATLAB and SolidWorks for thermal simulations, leading to enhanced product design accuracy.
- Conducted thermal performance testing on prototypes, ensuring compliance with safety standards.
- Collaborated with the mechanical design team to develop integrated thermal solutions for new vehicle models.
- Analyzed thermal data to identify areas for improvement, resulting in a 15% increase in battery lifespan.
- Presented findings to senior management, influencing strategic decisions on thermal system innovations.

JUNIOR THERMAL ENGINEER

Auto Innovations Inc.

2014 - 2016

- Assisted in the development of thermal management systems for hybrid vehicles, enhancing fuel efficiency.
- Performed thermal simulations and analyses using ANSYS to optimize cooling performance.
- Conducted experimental testing to validate thermal models and improve design accuracy.
- Collaborated with suppliers to source materials for thermal insulation and management.
- Documented test results and contributed to technical reports for project reviews.
- Engaged in cross-functional team meetings to align thermal strategies with overall vehicle design.

CONTACT

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SKILLS

- Thermal Management
- CAD Software
- Thermal Simulation
- Electric Vehicles
- Data Analysis
- Team Collaboration

LANGUAGES

- English
- Spanish
- French

EDUCATION

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING, MICHIGAN STATE UNIVERSITY

ACHIEVEMENTS

- Played a key role in launching an electric vehicle model that exceeded range expectations by 20%.
- Recognized for innovative cooling designs that reduced costs by 15%.
- Contributed to a patent for a novel thermal management solution in electric vehicles.