MA

MICHAEL ANDERSON

LEAD PROCESS ENGINEER

CONTACT

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- 📍 San Francisco, CA

SKILLS

- Polymer Science
- Process Optimization
- Quality Assurance
- Statistical Analysis
- Team Leadership
- Cost Reduction

LANGUAGES

- English
- Spanish
- French

EDUCATION

BACHELOR OF SCIENCE IN MATERIALS ENGINEERING, UNIVERSITY OF MICHIGAN

ACHIEVEMENTS

- Improved material yield by 15% through process enhancements.
- Awarded Employee of the Month for outstanding project contributions.
- Contributed to a patent for a novel composite material used in automotive applications.

PROFILE

Detail-oriented Materials Process Engineer with a solid background in the automotive sector, specializing in polymer composites and lightweight materials. With over 8 years of experience, I have successfully led multiple projects aimed at enhancing product performance and reducing costs. My expertise lies in the application of engineering principles to develop and optimize manufacturing processes for new materials.

EXPERIENCE

LEAD PROCESS ENGINEER

Ford Motor Company

2016 - Present

- Managed the development of new lightweight materials that improved fuel efficiency by 10%.
- Designed and implemented a new molding process that reduced defects by 25%.
- Conducted material testing and quality assurance to meet industry standards.
- Collaborated with design teams to ensure optimal material selection for vehicle components.
- Utilized statistical process control to monitor and improve manufacturing processes.
- Mentored junior engineers and provided training on best practices in materials engineering.

MATERIALS ENGINEER

General Motors

2014 - 2016

- Developed new polymer blends that enhanced durability and performance of automotive parts.
- Led cross-functional teams in material evaluation and selection processes.
- Performed mechanical and thermal analysis of materials to predict performance.
- Maintained documentation for compliance with environmental regulations.
- Presented technical information to stakeholders for decision-making.
- Assisted in the development of cost-effective solutions for material sourcing.