MA

MICHAEL ANDERSON

AI Engineering Manager

☎ CONTACT

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🎓 EDUCATION

Master's in Industrial Engineering

University of Manufacturing Technology
2016-2020

★ SKILLS

- manufacturing AI
- predictive analytics
- quality control
- process optimization
- ethical practices
- data governance

🗚 LANGUAGES

- English
- Spanish
- French

A results-driven Responsible AI Scientist with a focus on the manufacturing sector, I possess over 9 years of experience in developing AI solutions that enhance production efficiency and safety. My expertise includes predictive analytics for equipment maintenance and quality control processes that leverage machine learning to minimize downtime and defects. I have successfully led multi-disciplinary teams to implement AI technologies while ensuring adherence to ethical standards and regulatory compliance.

💼 WORK EXPERIENCE

AI Engineering Manager   2020-2023

Smart Manufacturing Corp

- Designed AI-powered systems that increased production efficiency by 20%.
- Led cross-functional teams to integrate AI solutions in manufacturing workflows.
- Conducted risk assessments to ensure compliance with industry regulations.
- Developed training programs on ethical AI for engineering teams.
- Presented AI initiatives to executive management, securing funding for new projects.
- Monitored AI outputs to ensure adherence to safety standards.

Data Scientist   2019-2020

Industrial Solutions Inc.

- Utilized predictive analytics to improve equipment maintenance schedules.
- Analyzed production data to identify trends that influenced quality control.
- Collaborated with IT teams to implement AI solutions across manufacturing plants.
- Conducted workshops on AI ethics and safety for staff.
- Presented findings to management to enhance decision-making processes.
- Mentored junior data scientists on responsible AI practices.

★ ACHIEVEMENTS

- Implemented a new maintenance protocol that reduced equipment downtime by 30%.
- Received the 'Excellence in Engineering' award for contributions to AI projects.
- Developed an AI tool that improved product quality, leading to a 15% reduction in defects.