MA

MICHAEL ANDERSON

MACHINE LEARNING ENGINEER

CONTACT

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SKILLS

- Python
- Scikit-learn
- R
- Data Visualization
- Healthcare Analytics
- Predictive Modeling

LANGUAGES

- English
- Spanish
- French

EDUCATION

M.S. IN BIOMEDICAL ENGINEERING, JOHNS HOPKINS UNIVERSITY

ACHIEVEMENTS

- Published multiple papers on machine learning applications in healthcare in peer-reviewed journals.
- Led a project that received the Healthcare Innovation Award for outstanding AI implementation.
- Secured a collaboration grant with a leading hospital for ongoing AI research.

PROFILE

I am a dedicated Machine Learning Researcher with over 5 years of experience in the healthcare industry, focusing on developing predictive models to enhance patient outcomes and streamline medical processes. My background in biomedical engineering provides me with a unique perspective on the integration of machine learning within healthcare settings.

EXPERIENCE

MACHINE LEARNING ENGINEER

HealthTech Innovations

2016 - Present

- Developed machine learning models that predicted patient readmission risks, leading to a 20% reduction in readmission rates.
- Collaborated with clinical staff to integrate AI solutions into existing healthcare workflows.
- Utilized Python and Scikit-learn for data preprocessing and model training.
- Conducted workshops for healthcare professionals on the application of machine learning in clinical settings.
- Analyzed patient data to identify trends and improve treatment protocols.
- Implemented real-time data processing systems to enhance predictive accuracy.

DATA SCIENTIST

MediAnalytics Inc.

2014 - 2016

- Created machine learning models to forecast patient outcomes based on historical data.
- Worked with stakeholders to identify key metrics for model evaluation and success.
- Automated data extraction processes, reducing time spent on data preparation by 40%.
- Presented model findings to healthcare executives, driving data-informed decision-making.
- Developed visualizations using Tableau to communicate complex results to non-technical audiences.
- Participated in cross-functional teams to design and implement new data collection processes.