

Andrew Lighton

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Machine Learning Engineer

Highly skilled Machine Learning Engineer with 4 years of experience delivering impactful solutions for clients in various industries. Proven track record in reducing fraudulent transactions by 25%, improving patient diagnosis accuracy by 15%, and increasing sales by 30%. Exceptional skills in developing and deploying machine learning models, optimizing pipelines, and collaborating with cross-functional teams to drive business growth.

WORK EXPERIENCE

Machine Learning Engineer 03/2022 – Present
NeuralNet Solutions

- Developed and deployed a machine learning model for a financial services client, resulting in a 25% reduction in fraudulent transactions and saving the client \$500,000 annually.
- Collaborated with a team of data scientists and engineers to develop a natural language processing (NLP) algorithm for a healthcare client, improving patient diagnosis accuracy by 15% and reducing misdiagnosis rates by 10%.
- Optimized a machine learning pipeline for a retail client, resulting in a 30% increase in sales and a 20% reduction in inventory costs.

Data Scientist 03/2020 – 03/2022
DataMind Analytics

- Designed and implemented a machine learning algorithm for a transportation client, reducing delivery times by 20% and improving on-time delivery rates by 15%.
- Developed and maintained a machine learning infrastructure for a manufacturing client, resulting in a 25% reduction in production downtime and a 10% increase in product quality.
- Collaborated with a team of engineers to build and deploy a machine learning model for a marketing client, resulting in a 40% increase in click-through rates and a 30% increase in conversion rates.

Data Analyst 03/2019 – 03/2020
InnovateIQ Solutions

- Researched and evaluated new machine learning technologies for a financial services client, resulting in the adoption of a new algorithm that improved fraud detection rates by 20%.
- Developed and maintained a software library for a healthcare client, enabling data scientists to build and deploy machine learning models more efficiently and resulting in a 25% reduction in model development time.
- Analyzed and interpreted data for a retail client to identify trends and patterns, resulting in a 15% increase in customer retention and a 10% increase in customer lifetime value.

SKILLS & COMPETENCIES

- Machine learning algorithms
 - Deep learning frameworks
 - Natural language processing (NLP)
 - Data analysis and visualization
 - Python programming
 - TensorFlow and PyTorch
 - Big data technologies (Hadoop, Spark)
 - Cloud computing (AWS, Azure, Google Cloud)
 - Model deployment and
- maintenance
 - Feature engineering
 - Time series analysis
 - Reinforcement learning
 - Computer vision
 - Optimization techniques
 - Distributed computing
 - SQL and NoSQL databases
 - Git version control
 - Agile project management
 - Team collaboration and communication

COURSES / CERTIFICATIONS

Professional Machine Learning Engineer (PME) 04/2023
Google Cloud

Microsoft Certified: Azure AI Engineer Associate 04/2022
Microsoft

TensorFlow Developer Certificate 04/2021
Google

EDUCATION

Master of Science in Machine Learning 2013-2017
University of Massachusetts Amherst , Amherst, MA

Machine Learning Engineering
Applied Mathematics