Emma Wilson

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Summary

Highly skilled Machine Learning Engineer with 5+ years of experience in developing and deploying machine learning models. Strong background in data analysis and algorithm development. Proficient in Python, TensorFlow, and PyTorch. Excellent problem-solving and communication skills.

Education

Bachelor of Science in Computer Science

XYZ University, Anytown, USA

Graduated Magna Cum Laude, May 2015

Skills

- Machine Learning: Regression, Classification, Clustering, Neural Networks

- Programming Languages: Python, Java, C++

- Deep Learning Frameworks: TensorFlow, PyTorch, Keras

- Data Processing: SQL, Pandas, Numpy

- Visualization: Matplotlib, Seaborn

- Cloud Services: AWS, GCP

- Version Control: Git, GitHub

- Agile Development: Scrum, Kanban

- Communication: Written and Verbal Communication, Collaboration

Experience

Machine Learning Engineer

ABC Tech, Anytown, USA

June 2015 - Present

- Designed and developed machine learning models to solve complex business problems, resulting in a 30% increase in efficiency.

- Implemented algorithms for data preprocessing, feature selection, and model evaluation.

- Optimized algorithms and model architectures to improve accuracy and reduce computation time.

- Collaborated with cross-functional teams to gather requirements and provide technical solutions.

- Deployed models into production environment using AWS and monitored their performance.

Data Analyst Intern

DEF Company, Anytown, USA

May 2014 - August 2014

- Analyzed large datasets and generated insights to support decision-making processes.

- Developed and maintained data pipelines for efficient data collection and processing.

- Created visualizations and reports to communicate findings to key stakeholders.

- Assisted in developing predictive models to improve business forecasting accuracy.

Projects

- Developed a recommender system using collaborative filtering techniques which increased customer engagement by 25%.

- Implemented a convolutional neural network for image classification achieving 95% accuracy on a benchmark dataset.

- Built a fraud detection model using XGBoost which reduced false positives by 20%.

Certifications

- Machine Learning by Stanford University on Coursera

- Deep Learning Specialization by deeplearning.ai on Coursera

- AWS Certified Machine Learning - Specialty

Publications

- "An Effective Approach for Sentiment Analysis in Social Media using Deep Learning

Techniques" - International Journal of Machine Learning Research, Vol. 10, No. 2, 2018.

References

Available upon request.