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SARAH MARTINEZ - Senior Data Scientist
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New York, NY

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PROFESSIONAL SUMMARY

Data Scientist and Machine Learning Engineer with 5+ years of experience building AI/ML solutions. Skilled in Python, TensorFlow, and data analysis with expertise in NLP, computer vision, and predictive analytics. Proven ability to translate complex business problems into data-driven solutions.

TECHNICAL SKILLS

Languages: Python, R, SQL, Java, Scala
ML/AI: TensorFlow, PyTorch, Scikit-learn, XGBoost, NLTK, Keras
Data Tools: Pandas, NumPy, Matplotlib, Seaborn, Tableau, Power BI
Big Data: Spark, Hadoop, Hive, Apache Airflow
Cloud: AWS (SageMaker, S3, EC2), Google Cloud, Azure
Tools: Jupyter, Git, Docker, Jenkins, Kafka
Other: Statistics, A/B Testing, Feature Engineering, Model Deployment

PROFESSIONAL EXPERIENCE

Senior Data Scientist | AI Solutions Corp | New York, NY | Mar 2021 - Present

- Developed ML models for customer churn prediction with 92% accuracy, saving \$5M annually
- Led team of 3 data scientists in building NLP pipeline for sentiment analysis
- Implemented real-time recommendation engine serving 2M+ predictions daily
- Reduced model training time by 70% using distributed computing with Spark
- Presented insights to C-level executives, influencing \$10M+ strategic decisions

Machine Learning Engineer | FinTech Startup | New York, NY | Jul 2019 - Feb 2021

- Built fraud detection models using ensemble methods, reducing fraud by 45%
- Developed ETL pipelines processing 500GB+ data daily using Apache Airflow
- Implemented A/B testing framework increasing conversion by 23%
- Deployed models to production using Docker and AWS SageMaker

Data Analyst | Analytics Firm | Boston, MA | Jan 2018 - Jun 2019

- Analyzed large datasets to identify business trends and opportunities
- Created interactive dashboards in Tableau used by 50+ stakeholders
- Performed statistical analysis on 100+ experiments

EDUCATION

Master of Science in Data Science | Massachusetts Institute of Technology (MIT)
Graduated: May 2017

Bachelor of Science in Statistics | University of California, Los Angeles (UCLA)
Graduated: May 2015

PUBLICATIONS & ACHIEVEMENTS

- Published "Advanced NLP Techniques for Business Analytics" in Data Science Journal (2023)
 - Kaggle Master: Top 1% in multiple machine learning competitions
 - Speaker at PyData Conference 2023 on "Scalable ML Pipelines"
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