ALEX CHEN

Data Scientist & Machine Learning Engineer

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PROFESSIONAL SUMMARY

Experienced Data Scientist with 3+ years of expertise in machine learning, statistical analysis, and data visualization. Proven track record of developing predictive models that drive business decisions and improve operational efficiency. Skilled in Python, R, SQL, and cloud platforms.

EDUCATION

Master of Science in Data Science

Stanford University, 2021
Relevant Coursework: Machine Learning, Statistical Inference, Deep Learning, Big Data Analytics

Bachelor of Science in Computer Science

University of California, Berkeley, 2019
Magna Cum Laude, GPA: 3.8/4.0

PROFESSIONAL EXPERIENCE

Senior Data Scientist | TechCorp Inc. | 2022 - Present

â¢ Developed customer churn prediction model achieving 94% accuracy, reducing churn by 15%
â¢ Built real-time recommendation system serving 1M+ users with 25% increase in engagement
â¢ Led cross-functional team of 5 engineers to deploy ML models in production using AWS
â¢ Implemented A/B testing framework resulting in 20% improvement in conversion rates

Data Scientist | DataSolutions LLC | 2021 - 2022

â¢ Created sales forecasting models using ARIMA and LSTM, improving accuracy by 30%
â¢ Developed sentiment analysis API processing 100K+ social media posts daily
â¢ Built interactive dashboards using Tableau and Streamlit for executive reporting
â¢ Collaborated with product teams to integrate ML insights into user-facing features

TECHNICAL SKILLS

Programming Languages: Python, R, SQL, JavaScript, Scala
Machine Learning: Scikit-learn, TensorFlow, PyTorch, XGBoost, Keras
Data Visualization: Matplotlib, Seaborn, Plotly, Tableau, D3.js
Big Data: Apache Spark, Hadoop, Kafka, Airflow
Cloud Platforms: AWS, Google Cloud, Azure, Databricks, Snowflake
Tools: Jupyter, Git, Docker, MLflow, Streamlit, FastAPI

CERTIFICATIONS

â¢ AWS Certified Machine Learning - Specialty (2023)
â¢ Google Cloud Professional Machine Learning Engineer (2022)
â¢ Certified Analytics Professional (CAP) (2021)

KEY PROJECTS

Customer Churn Prediction System

Built ensemble model using XGBoost and Random Forest achieving 94% accuracy

Real-time Sentiment Analysis API

Deployed BERT-based NLP model on AWS with FastAPI serving 100K+ requests daily

Movie Recommendation Engine

Implemented collaborative filtering with matrix factorization using TensorFlow