Dr. Sarah Chen

Senior Data Scientist | 8 years experience

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Education:

- PhD in Statistics, Stanford University (2016)
- MS in Computer Science, UC Berkeley (2013)
- BS in Mathematics, MIT (2011)

Experience:

Senior Data Scientist - Netflix (2020-Present)

- Lead ML engineer for recommendation systems serving 200M+ users
- Developed deep learning models using TensorFlow and PyTorch, improving user engagement by 15%
- Built scalable data pipelines on AWS using Spark and Airflow
- Mentored team of 5 junior data scientists and established MLOps best practices
- Published 3 papers on recommendation systems at top ML conferences

Data Scientist - Uber (2017-2020)

- Designed predictive models for demand forecasting and pricing optimization
- Implemented A/B testing framework used across 10+ product teams
- Built real-time ML models using Kafka and Apache Spark
- Collaborated with engineering teams to deploy models at scale

Research Scientist - Google Research (2016-2017)

- Conducted research on neural networks and published 2 peer-reviewed papers
- Developed novel algorithms for time series forecasting

Technical Skills:

- Programming: Python, SQL, R, Scala
- ML/AI: TensorFlow, PyTorch, scikit-learn, XGBoost, Keras
- Big Data: Apache Spark, Hadoop, Kafka, Databricks
- Cloud: AWS (SageMaker, S3, EC2), GCP, Azure
- Databases: PostgreSQL, MongoDB, Redshift, BigQuery
- Tools: Docker, Kubernetes, Git, MLflow, Airflow, Jupyter

Publications: 5 peer-reviewed papers in ICML, NeurIPS, KDD