

SARAH CHEN

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GitHub: github.com/sarahchen | Boston, MA

SUMMARY

Data Scientist with 3 years of experience in machine learning, NLP, and predictive analytics.
Passionate about turning data into actionable insights.

PROFESSIONAL EXPERIENCE

Data Scientist | FinTech Solutions Corp | Mar 2022 - Present

- Developed fraud detection ML models with 95% accuracy
- Built NLP pipeline for customer sentiment analysis
- Created interactive dashboards using Plotly and Streamlit
- Collaborated with engineering team to deploy models to production
- Tech Stack: Python, scikit-learn, BERT, spaCy, SQL, Apache Spark

Junior Data Analyst | E-commerce Giant | Jul 2020 - Feb 2022

- Analyzed customer behavior data to improve conversion rates
- Created SQL queries and ETL pipelines for data processing
- Built predictive models for inventory management
- Presented insights to stakeholders through visualizations
- Tech Stack: Python, Pandas, SQL, Tableau, Excel

Data Science Intern | Research Lab | Summer 2019

- Conducted exploratory data analysis on healthcare datasets
- Implemented machine learning algorithms for disease prediction
- Wrote technical documentation and research papers
- Tech Stack: Python, R, NumPy, Matplotlib

EDUCATION

Master of Science in Data Science | MIT | 2018 - 2020

Thesis: "Deep Learning Approaches for Natural Language Understanding"

GPA: 3.9/4.0

Bachelor of Science in Statistics | UC Berkeley | 2014 - 2018

Minor in Computer Science

GPA: 3.7/4.0

TECHNICAL SKILLS

Languages: Python, R, SQL, Java

ML/AI: scikit-learn, TensorFlow, PyTorch, Keras, XGBoost, LightGBM

NLP: NLTK, spaCy, Transformers, BERT, GPT

Data Tools: Pandas, NumPy, Spark, Airflow, dbt

Visualization: Matplotlib, Seaborn, Plotly, Tableau, Power BI

Cloud: AWS (SageMaker, S3, EC2), GCP (BigQuery, Vertex AI)
Databases: PostgreSQL, MySQL, MongoDB, Snowflake

PUBLICATIONS & AWARDS

- Published paper at NeurIPS 2023: "Efficient Fine-tuning of Large Language Models"
- Kaggle Expert (Top 2% in competitions)
- MIT Data Science Hackathon - 1st Place (2019)

CERTIFICATIONS

- TensorFlow Developer Certificate (2023)
- AWS Certified Machine Learning - Specialty (2022)