**SARAH CHEN**

Data Scientist | Machine Learning Engineer

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GitHub: github.com/sarahchen | Portfolio: sarahchen.com

OBJECTIVE

Passionate Data Scientist with 4 years of experience in machine learning, data analysis, and

predictive modeling. Seeking to leverage expertise in AI and statistical analysis.

CORE COMPETENCIES

• Machine Learning & Deep Learning

• Natural Language Processing (NLP)

• Computer Vision

• Statistical Analysis & A/B Testing

• Python, R, SQL

• TensorFlow, PyTorch, Keras, Scikit-learn

• Pandas, NumPy, Matplotlib, Seaborn

• AWS SageMaker, Google Cloud AI

• Data Visualization: Tableau, Power BI

WORK EXPERIENCE

Data Scientist

AI Solutions Ltd., Boston, MA

March 2022 - Present (2.5 years)

• Developed ML models achieving 92% accuracy in customer churn prediction

• Implemented NLP pipeline for sentiment analysis of 100K+ customer reviews

• Created automated reporting dashboards saving 20 hours/week

• Technologies: Python, TensorFlow, AWS, Tableau

Junior Data Scientist

Analytics Pro Inc., Cambridge, MA

July 2020 - February 2022 (1.5 years)

• Conducted exploratory data analysis on large datasets (10M+ records)

• Built predictive models for sales forecasting with 85% accuracy

• Collaborated with engineering team on data pipeline optimization

ACADEMIC BACKGROUND

Master of Science in Data Science

Massachusetts Institute of Technology (MIT), Cambridge, MA

Graduated: 2020 | GPA: 3.9/4.0

Bachelor of Science in Statistics

University of California, Berkeley, CA

Graduated: 2018 | Honors Graduate

TECHNICAL PROJECTS

1. Image Classification System using CNN - Achieved 95% accuracy

2. Recommendation Engine for E-commerce - Increased sales by 25%

3. Fraud Detection Model - Reduced false positives by 30%

CERTIFICATIONS & COURSES

• TensorFlow Developer Certificate (Google, 2023)

• Machine Learning Specialization (Stanford Online, 2021)

• AWS Certified Machine Learning - Specialty (2022)