

Jessica Matthews

Newport Beach, California | +1 949 111-1111 | jessica.matthews@email.com | [LinkedIn](#) | [GitHub](#)

Languages: Python, SQL, Java, C++, JavaScript

Machine Learning Libraries: TensorFlow, PyTorch, Scikit-Learn, Keras, XGBoost

WORK EXPERIENCE

Machine Learning Engineer, ABCD Corp., San Jose (CA)

Jan 2022 - Jan 2025

- Led the redesign and development of a new document retrieval and scoring system that improved search quality by up to 25 percentage points and reduced latency by approximately 50%, outperforming state-of-the-art (SotA) models.
- Spearheaded the creation of a large-scale page graph system to enhance web search quality, improving document relevance and search engine efficiency for millions of queries per second.

Machine Learning Engineer, XYZ Inc., Chicago (IL)

Sep 2020 - Jan 2022

- Contributed to the optimization of entity sparse representations and enhanced the health of recommendation systems, improving user engagement and overall recommendation quality.
- Developed and deployed advanced spam filtering techniques for recommended content, resulting in a 15% reduction in user-reported spam incidents, contributing to a cleaner and more reliable user experience.
- Collaborated with cross-functional teams to ensure alignment on technical requirements and product vision, achieving impactful system improvements within tight deadlines.

Data Scientist, 123 Co., Manchester (UK)

Oct 2017 - July 2020

- Integrated Optical Character Recognition (OCR) and Named Entity Recognition (NER) models to extract key information from driver licenses, insurance documents, license plates, and odometer readings, streamlining the data collection process.
- Played a key role in reducing operational costs and improving the accuracy of vehicle damage assessments by leveraging state-of-the-art machine learning models.

EDUCATION

MS, Computer Science (Machine Learning Focus) Georgia Institute of Technology

Sep 2013 - Jun 2015

Earned a distinction (top 10%)

BS, Computer Science, University of Manchester (UK)

Sep 2009 - Jun 2013

Graduated with 2:1. Subjects included: systems modelling, math, computing, physics.

LEADERSHIP & AWARDS

- **Under 30s Innovation Award, CrunchCode Conference 2022:** Recognized for a project that improved data compression rates in a resource-constrained environment.
- **Team Lead, Chicago Hackathon 2019:** Led a team of 4 engineers to 2nd place out of 35.

ADDITIONAL SKILLS & INTERESTS

- **Data Analysis & Visualization:** Pandas, Numpy, Matplotlib, Seaborn, Plotly
- **Tools/Platforms:** AWS (SageMaker), Google Cloud, Docker, Kubernetes, Jenkins
- **Databases:** MySQL, PostgreSQL, MongoDB, BigQuery