

# Emma Brown

London, UK

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## Education

Imperial College London

MSc in Computing (Artificial Intelligence)

Sep 2021 – Aug 2022 | London, UK

Grade: Distinction (78%)

Activities: AI Ethics Club, Research Assistant in NLP Lab, ML Reading Group Organizer

Relevant Coursework: Deep Learning, Natural Language Processing, Computer Vision, Reinforcement Learning, Probabilistic Inference, Ethics in AI, Computational Statistics

University of Manchester

BSc in Computer Science

Sep 2018 – Jun 2021 | Manchester, UK

Grade: First Class Honours (85%)

## Work Experience

Machine Learning Engineer | DeepMind | Sep 2022 – Present | London, UK

- Designed and implemented reinforcement learning algorithms for robotic control systems.
- Developed computer vision models for object detection with 95% accuracy in variable conditions.
- Collaborated with research teams to implement state-of-the-art models from academic papers.

Data Science Intern | Ocado Technology | Jun 2021 – Sep 2021 | London, UK

- Built recommendation systems using collaborative filtering and content-based approaches.
- Analyzed customer purchase patterns using Python and SQL, generating insights that increased sales by 8%.
- Created interactive dashboards with Plotly and Dash for business stakeholders.

## Skills

Programming: Python, C++, Julia, R, MATLAB

ML Frameworks: TensorFlow, PyTorch, Keras, scikit-learn, Hugging Face

Data Processing: NumPy, Pandas, Dask, PySpark, SQL

Visualization: Matplotlib, Seaborn, Plotly, D3.js

Other: Bayesian Statistics, Neural Networks, Computer Vision, NLP, Reinforcement Learning, MLOps, Experiment Design, Research Methods

## **Certificates**

NVIDIA: Deep Learning Institute Certified Instructor

DataCamp: Data Scientist Professional

Coursera: Deep Learning Specialization

## **Awards**

Best Paper Award - International Conference on Machine Learning (ICML) Workshop 2023

Winner - Kaggle Computer Vision Competition

Royal Society of Artificial Intelligence Scholarship