

# Charlotte Wilson

Edinburgh, UK

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## Education

University of Edinburgh

Master of Science in Artificial Intelligence

Sep 2021 – Aug 2023 | Edinburgh, UK

GPA: Distinction (80%)

Activities: AI Ethics Discussion Group Founder, Research Assistant in NLP Lab, Graduate Teaching Assistant

Relevant Coursework: Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Reinforcement Learning, AI Ethics, Neural Networks, Robotics

Bachelor's Degree: B.Sc. in Mathematics and Computer Science, University of Bristol, Grade: First Class Honours

## Work Experience

ML Engineer | DeepMind | Sep 2023 - Present | London, UK

- Designed and implemented neural network architectures for natural language understanding tasks.
- Developed reinforcement learning algorithms for decision-making systems in complex environments.
- Conducted research on multimodal learning combining vision and language models.
- Collaborated on responsible AI initiatives ensuring ethical model development and deployment.

## Skills

Machine Learning: Supervised/Unsupervised Learning, Deep Learning, Reinforcement Learning, Transfer Learning

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

Data Preprocessing: Feature Engineering, Data Augmentation, Data Cleaning, Normalization

Model Types: CNNs, RNNs, Transformers, GANs, VAEs, Graph Neural Networks

Languages: Python, R, Julia, C++, CUDA

MLOps: MLflow, Weights & Biases, DVC, Kubeflow, TFX, SageMaker

Other: Research Paper Implementation, Hyperparameter Tuning, Model Evaluation, Explainable AI, Bias Detection

## **Certificates**

DeepLearning.AI TensorFlow Developer Professional Certificate

PyTorch Advanced Developer Certification

Google Machine Learning Engineer Professional Certificate

NVIDIA DLI Deep Learning Certification

## **Awards**

Best Research Paper – NeurIPS Machine Learning Conference 2023

Royal Society of Edinburgh AI Research Fellowship 2023

Google PhD Fellowship in Machine Learning Finalist 2022