

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