Sophia Chen

London, UK

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Education

Imperial College London

Master of Science in Computing (Machine Learning)

Sep 2021 – Aug 2022 | London, UK

GPA: Distinction

Thesis: 'Scalable Deep Learning Models for Natural Language Processing'

University College London (UCL)

Bachelor of Science in Computer Science

Sep 2018 – Jun 2021 | London, UK

GPA: First-Class Honours

Activities: President of AI Society, Teaching Assistant for Data Structures

Work Experience

Machine Learning Engineer | DeepMind | Oct 2022 - Present | London, UK

- Developed and deployed reinforcement learning algorithms for game AI, improving performance benchmarks by 15%.
- Collaborated with research teams to implement novel neural network architectures using TensorFlow and PyTorch.
- Optimized data processing pipelines for large-scale datasets using Apache Spark and Google Cloud Platform (Dataflow, BigQuery).

Skills

Programming: Python, C++, Java, SQL

Machine Learning: TensorFlow, PyTorch, Scikit-learn, Keras, Reinforcement Learning, NLP, Computer Vision

Big Data: Apache Spark, Hadoop, Kafka

Databases: PostgreSQL, MongoDB, BigQuery

Cloud Platforms: Google Cloud Platform (GCP), AWS

Methodologies: Agile, Research & Development, MLOps

Other Skills: Algorithm Design, Statistical Modeling, Data Visualization (Matplotlib, Seaborn)

Certificates

Coursera: Deep Learning Specialization (deeplearning.ai)

Google Cloud Certified - Professional Machine Learning Engineer

Awards

Best MSc Thesis Award – Imperial College London 2022

Winner – UCL AI Hackathon 2021: Developed a predictive model for stock market trends.