

Sophia Williams

Amsterdam, Netherlands

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Education

University of Amsterdam

Master of Science in Artificial Intelligence

Sep 2023 - Aug 2025 (Expected) | Amsterdam, Netherlands

GPA: 9.2/10

Activities: Women in AI Amsterdam Member, Kaggle Grandmaster, AI Ethics Research Group

Relevant Coursework: Deep Learning, Natural Language Processing, Reinforcement Learning, Cloud AI Services, Distributed Computing, Data Visualization, Advanced Probability and Statistics

Summer School: Stanford AI Summer School 2024 (GPA: 10/10), MIT AI Research Program 2023 (GPA: 9.8/10)

Work Experience

Machine Learning Engineer Intern | Booking.com | Jun 2024 - Present | Amsterdam, Netherlands

- Developed a recommendation system for personalized travel suggestions using TensorFlow and PyTorch.
- Implemented an NLP pipeline for analyzing customer reviews, improving sentiment classification accuracy by 20%.
- Designed an ETL pipeline to process large-scale travel data, integrating with AWS S3 and Redshift for efficient data storage.

Skills

Programming: Python, R, JavaScript, SQL, C++

Machine Learning Tools: TensorFlow, PyTorch, Scikit-learn, Hugging Face Transformers

DevOps & Cloud: Docker, Kubernetes, AWS (SageMaker, Redshift, Lambda), Google AI Platform

Databases: PostgreSQL, MongoDB, BigQuery

Other Skills: MLOps, A/B Testing, Data Engineering, Feature Engineering, Explainable AI

Certificates

DeepLearning.AI: NLP Specialization, TensorFlow for AI

Google Cloud AI: Machine Learning Engineer Certificate

Udemy: AI Ethics and Responsible AI Development

Awards

Top 3 - NeurIPS AI Competition 2023: Developed an energy-efficient GAN model for image synthesis.

Winner - Amsterdam AI Startup Challenge 2024: Co-founded a startup using AI for personalized e-commerce recommendations.

Erasmus Mundus Scholarship Recipient.