

TECHNICAL EXPERIENCE

AI Governance Lead | Deliveroo (DoorDash)

February 2025 — Present

Dotted line reporting to the VP of Science and VP of Engineering

London, United Kingdom

- Responsible for AI policy design and adherence across the entire AI / ML estate. This includes overseeing the establishment of an AI governance framework, employee training, and ongoing monitoring of policy enforcement.
- Maintain a risk and control matrix (RACM) for AI that accounts for legal, competitive, cybersecurity, procurement, operational, and service availability risks.
- Advise executives on our AI risk exposure and report on our current and proposed AI risk management approach.
- Product management responsibility for the internal AI governance platform. This platform hosts our centralised AI inventory and implements Governance-as-Code by integrating with the ML and AI Agent platforms.
- Ownership of the legal and operational AI review process that forms the basis of our EU AI Act readiness strategy.

Senior Machine Learning Engineer | Deliveroo

July 2024 — February 2025

Promoted into the role

London, United Kingdom

- Machine learning lead on pricing projects that deliver synergies across different business functions.
- Delivered a dynamic pricing algorithm with a gross profit impact of £3.5 m/year in addition to network efficiencies.
- Leadership responsibilities include scoping, stakeholder management, technical design, and project delivery.

Machine Learning Engineer II | Deliveroo

June 2021 — July 2024

Customer Pricing Team

London, United Kingdom

- I am responsible for machine learning models that power Deliveroo's price optimisation and pricing strategy.
- Delivered a pricing model that is responsive to changing customer demand and unit economics.
- Ownership of the end-to-end design, implementation, and deployment of data-driven projects to solve classic data science problems such as live model monitoring, data drift detection, conversion modelling, and customer retention
- Champion price integrity through robust software engineering practices and service reliability.
- Tech stack includes Python, Docker, Snowflake, Kafka, Metaflow, Argo, and CircleCI.

Machine Learning Engineer | Ocado

October 2019 — June 2021

Natural Language Processing Team

Hatfield, United Kingdom

- I was tasked with researching and developing novel machine learning models to solve natural language challenges in the business. I worked closely with a small cross-disciplinary team to deploy my models into production.
- Built and deployed a customer service conversational AI solution.
- Fine-tuned a language model for downstream tasks using recipe data.
- Regularly presented my work at cross-department knowledge sharing sessions. Topics covered include Graph Neural Networks, Natural Language Processing, and Recommender Systems.
- Tech stack includes Python, PyTorch, Docker, and GCP.

Software Engineer | Peralex Electronics

Jan 2018 — Aug 2018

Machine Learning Team

Cape Town, South Africa

- Worked in an agile team environment to introduce deep learning approaches to replace existing passive radar detection systems
- Designed and implemented a number of signal detection systems using Keras
- Used Python for dataset synthesis and management

EDUCATION

University of Cambridge, *Master of Philosophy in Machine Learning and Machine Intelligence*

Oct 2018 - Sept 2019

Thesis title: Uncertainty and confidence scores for sequence data (71%)

Magdalene College, MPhil class representative

Birkbeck, University of London, *Master of Arts in Philosophy (Distinction)*

Oct 2023 — Sept 2025

Thesis title: On Political Nihilism, Economic Power, and Artificial Intelligence

Specialisation: Ethics and Social Theory of Artificial Intelligence

University of the Witwatersrand, *Bachelor of Science in Electrical Engineering (Distinction)*

Jan 2014 - Dec 2017

Project title: Adaptive digital hearing aid that adapts to a changing acoustic environment (90%)

Johannesburg, South Africa

SKILLS

Languages (daily)	Python, SQL
Languages (infrequently)	Julia, C++, Typescript
Tools & Ops	scikit-learn, Argo CD, Metaflow, Docker, PyTorch, Git, CircleCI, Kafka, Terraform
Quantitative Research	Deep Learning, Probabilistic Machine Learning, Speech and Language Processing Applications
Communication	English (1st), Afrikaans (2nd), Greek (2nd)
Citizenship	United Kingdom and South Africa

SELECT PUBLICATIONS AND ARTICLES

- A. Kastanos, A. Ragni, M.J.F. Gales, **Confidence Estimation for Black Box Automatic Speech Recognition Systems Using Lattice Recurrent Neural Networks**. ICASSP, 2020
- A. Kastanos and T. Martin, **Graph Convolutional Network for Swahili News Classification**, in EACL AfricaNLP workshop, 2021.
- A. Ragni, M. J. F. Gales, O. Rose, K. M. Knill, A. Kastanos, Q. Li, P. M. Ness, **Increasing Context for Estimating Confidence Scores in Automatic Speech Recognition**, IEEE/ACM Transactions on Audio, Speech, and Language Processing, vol. 30, pp. 1319-1329, 2022
- A. Kastanos, **Responsible AI: Responsible to Whom?** What to do about now? Article published: March 2023

ACTIVITIES

Birkbeck Philosophy Society President	2023 — 2025
EACL: Poster Presenter at AfricaNLP Workshop	2021
NAACL: Poster Presenter at SIGTYP Workshop	2021
ICASSP: Lecture in the 'Speech Recognition: Confidence, Errors, and OOVs' session	2020
Machine Learning Graduate Student Representative	2018 — 2019
Deep Learning Indaba: Practical tutor and workshop material reviewer	2019
Deep Learning Indaba: Poster session presenter	2019
Geneva Challenge: Computer vision mapping proposal to predict areas with poor access to public health in Uganda	2019

AWARDS

MIT Press poster award, Deep Learning Indaba	2019
University of Cambridge Department of Engineering Scholarship	2018
Dean's List (top 10% of my class) throughout undergraduate	2014 — 2017
Top mark in Software Development III (84%)	2017
2 nd place poster at the electrical engineering department open day	2017
Top student in third year electrical engineering	2016
Top mark in Probabilistic System and Signal Analysis (99%)	2016

CERTIFICATIONS

Certificate of Higher Education in Philosophy - with Distinction (Birkbeck, University of London)	2022—2023
Essential Lessons for First-Time Managers (LinkedIn Learning)	2022
Machine Learning Data Life-cycle in Production (DeepLearning.AI)	2021
Neural Networks and Deep Learning (DeepLearning.AI)	2017
Structuring Machine Learning Projects (DeepLearning.AI)	2017
Improving Deep Learning Projects (DeepLearning.AI)	2017
Machine Learning (Stanford Online)	2017