

TECHNICAL EXPERIENCE

Senior Machine Learning Engineer Deliveroo <i>Promoted into the role</i> <ul style="list-style-type: none">Machine learning lead on pricing projects that deliver synergies across different business functions.Currently, I am working on dynamic pricing algorithms that generate operational and cash-flow efficiencies for the business.Leadership responsibilities include scoping, stakeholder management, technical design, and project delivery.	July 2024 — Present <i>London, United Kingdom</i>
Machine Learning Engineer II Deliveroo <i>Customer Pricing Team</i> <ul style="list-style-type: none">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 retentionChampion price integrity through robust software engineering practices and service reliability.Tech stack includes Python, Docker, Snowflake, Kafka, Metaflow, Argo, and CircleCI.	June 2021 — July 2024 <i>London, United Kingdom</i>
Machine Learning Engineer Ocado <i>Natural Language Processing Team</i> <ul style="list-style-type: none">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.	October 2019 — June 2021 <i>Hatfield, United Kingdom</i>
Software Engineer Peralex Electronics <i>Machine Learning Team</i> <ul style="list-style-type: none">Worked in an agile team environment to introduce deep learning approaches to replace existing passive radar detection systemsDesigned and implemented a number of signal detection systems using KerasUsed Python for dataset synthesis and management	Nov 2016 — Jan 2017 <i>Cape Town, South Africa</i>

EDUCATION

University of Cambridge , <i>Master of Philosophy in Machine Learning and Machine Intelligence</i> Thesis title: Uncertainty and confidence scores for sequence data (71%) Magdalene College, MPhil class representative	Oct 2018 - Sept 2019
University of the Witwatersrand , <i>Bachelor of Science in Electrical Engineering (Distinction)</i> Project title: Adaptive digital hearing aid that adapts to a changing acoustic environment (90%) Johannesburg, South Africa	Jan 2014 - Dec 2017
Birkbeck, University of London , <i>Master of Arts in Philosophy</i> Specialisation: Ethics and Social Theory of Artificial Intelligence	Oct 2023 — Sept 2025

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

+44 7927 315192
London, United Kingdom
alecokastanos@gmail.com

Alexandros Kastanos

Senior Machine Learning Engineer

Website: alecokas.github.io
github.com/alecokas
linkedin.com/in/alecokas

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