

Kostas Vasilopoulos

AI/ML Engineer

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kvasilopoulos

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About me

I am a seasoned Machine Learning Engineer passionate about analyzing trends and delivering impactful, data-driven solutions. My dedication to precision and innovative problem-solving empowers me to address complex challenges effectively. I embrace a growth mindset and consistently rely on my systems to drive high-impact projects, foster team development, and lead initiatives that push the boundaries of AI and ML technologies. With a rapid learning curve and keen insight, I excel in communicating and collaborating with diverse teams and stakeholders.

General skills

- Machine Learning
- GenAI Solutions
- Software Engineering
- Natural Language Processing
- Large Language Models

Technical skills

R & Python

SQL • ElasticSearch • s3

Docker • k8s • Linux • Git • Kafka

HTML • CSS

C++ • JS

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Experience

May 2023 - **ML Engineer, Manager**

Pfizer

- Implemented MLOps best practices to enhance the efficiency, scalability, and performance of AI solutions within the platform.
- Managed the integration of Large Language Models (LLMs) into the platform, resolving technical obstacles and boosting platform capabilities.
- Technical Lead for Ethicara ML: Led the development and implementation of ethical AI solutions for Pfizer, ensuring compliance with industry standards and guiding responsible AI practices.
- Engaged with users and stakeholders to align platform enhancements with business goals, while fostering cross-team collaboration

July 2021 - **ML Engineer**
May 2023

Reportbrain

- Tech Lead for company-specific contributions to the Infinitech and AI4PP European projects (horizon 2020)
- Led the design and implementation of a distributed data collection system in Kubernetes, enabling horizontal scaling to support millions of jobs daily.
- Deployed multiple ML models to production, integrating them into the platform with autoscaling, microbatching, and runtime optimizations, resulting in a 320% increase in throughput and a 40% cost reduction.
- Delivered API microservices with integrated Postgres, Elasticsearch, and analytics capabilities, enhancing the platform's data processing and retrieval.

Nov 2020 - **Research Associate - Housing Observatory**

Lancaster University

- Developed scalable and efficient methods for data analysis and model development, enhancing data cleansing, manipulation, and processing within existing software applications and frameworks.
- Achieved recognition for the Housing Observatory, featured in prominent economics journals like The Times, with findings actively utilized by practitioners and institutions such as Central Banks.

May 2019 - **Research Assistant - Housing Observatory**
Sep 2020

Lancaster University

- Analyzing and modelling UK national and regional housing markets.
- Developing interactive tools for real-time monitoring of real estate markets.
- Maintaining the website to ensure optimal performance and user experience.

Oct 2016 - **Graduate Teaching Assistant**
Sep 2020

Lancaster University

- Teaching Economics for UG and PG to classes of 15-80 students.
- Received outstanding evaluations

Education

2016 - 2020 **Ph.D in Economics**

Lancaster University, UK

- Published work on esteemed journals
- Received Departmental Studentship Award, 2016–2019
- Presented my research at several conferences and workshops

2014 - 2016 **M.Sc Economics**

University of Macedonia, Greece

- Received Scholarship awarded based on academic excellence

2009 - 2014 **B.Sc Economics**

University of Macedonia, Greece