Alexandros Frangiadoulis

Senior Data Scientist & LLM enthusiast

Contact

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in LinkedIn

Github

Portfolio

Education

Master of Science (MSc)

Informatics & Multimedia

Technological Educational Institute of Crete

2014 - 2016

Bachelor of Science (BSc)

Informatics Engineering

Technological Educational Institute of Crete

2007 – 2014

Speaking:

Greek

English

French

Strengths

- Machine Learning: Building scalable predictive models for production and research applications

- Large Language Models (LLMs): Prototyping, fine-tuning, and integrating transformer-based models

- Data Storytelling: Designing interactive dashboards and intuitive data visualizations

- AI Product Thinking: Leading end-to-end development of data-powered tools and experiences

Core Technologies

- **Programming**
  Python, Java, SQL, HTML, CSS
- **ML & AI Frameworks**
  scikit-learn, TensorFlow, PyTorch, Keras, XGBoost
- **LLM & NLP Ecosystem**
  Hugging Face, OpenAI API, LangChain, spaCy, RAG,
- **Data & Visualization**
  Pandas, NumPy, SciPy, Plotly, Dash, Power BI
- **Cloud & DevOps**
  Azure, Databricks, Docker, Git

Profile: Senior Data Scientist with a strong track record of designing robust machine learning solutions and production-grade AI tools. Specialized in predictive modeling, data architecture, and the integration of Large Language Models (LLMs) to solve real-world business challenges.

Professional Experience

Breitling | Senior Data Scientist & Product Owner | Switzerland-Zurich SEP 2022 – Now

- This role in the luxury retail industry provided the opportunity to align data-driven solutions with strategic operational goals.
- Designing and deploying forecasting pipelines to predict product demand across global markets
  Developing a client propensity model to support CRM and targeted marketing efforts.
- Creating and maintaining scoring models for boutiques and vendors to optimize segmentation strategies
- Leading the development of reporting and dashboarding systems to monitor media performance and business KPIs

AKKA Technologies | Data Scientist & Software Engineer | France JAN 2018 – AUG 2022

- Focused on applying data science within the aerospace industry, specifically supporting Airbus, to improve engineering processes through machine learning and analytics.
- Applied transformer-based NLP models to classify maintenance tickets and streamline issue management
- Built CNNs to detect and classify aircraft maneuvers
- Optimized simulation workflows through statistical modeling and predictive algorithms, reducing engineering cycle time
- Delivered ML prototypes and visual dashboards to support decision-making across Airbus programs

European Chemicals Agency | R&D Engineer | Finland MAR 2017 – AUG 2017

Worked in a highly international setting to support the audiovisual and communications teams during multilingual events.

- Developed internal tools to support the audiovisual and communications teams
- Provided technical support for high-profile, multilingual events
- Gained hands-on experience in a multicultural, cross-functional work environment

iSTLab – Technological Institute of Crete | R&D Engineer | Greece OCT 2015 – JAN 2017

Contributed to machine learning research as part of a master's thesis in a lab Developed machine learning applications tailored to academic and experimental use cases.

Egnatia Tel Group of Companies | IT Support | Greece JUN 2015 – AUG 2015

Gained foundational IT and coordination experience supporting a construction company's technical operations.

Publications

Deep Learning Implementation Model for Image Recognition Applications
*International Symposium on Ambient Intelligence and Embedded Systems –
Sep 22, 2016*

Licenses & Certifications

Blockchain Technology
University of The Aegean
December 2021 – March 2022