Georgios Zachariadis

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WORK EXPERIENCE

AI Engineer — April 2024 - Present
PwC Greece — *Athens, Greece*

- Architected a cloud-native, microservices ML orchestration platform enabling async execution, autoscaling, and experiment tracking using FastAPI, Celery, RabbitMQ, MLflow, Docker, and Azure CI/CD.
- Built production-ready RAG and agentic AI systems using LangGraph, LangChain, and modern LLMs.
- Implemented ML pipelines on Microsoft Fabric, including training, AutoML with FLAML, and model lifecycle management.
- Delivered scalable APIs using FastAPI and Django REST, following MLOps and DevOps best practices for public sector clients.
- Mentored engineers, led the PwC Greece Python Community, and collaborated with business stakeholders to align technical solutions with business goals.

Software Engineer — February 2023 - March 2024
PPC S.A. — *Athens, Greece*

- Designed ETL pipelines and built decision-making dashboards for 100+ users as the sole Java Spring developer for PPC's ETRM DataLab, improving data workflows and visibility.

Military Service — November 2022 - November 2023
Ministry of National Defense, Hellenic Army — *Athens, Greece*

- Served as IT Support Engineer, providing systems support and IT consulting.

Data Science Intern — April 2022 - September 2022
Augmenta (Acquired by CNH Industrial) — *Athens, Greece*

- Led an agricultural optimization initiative leveraging Scikit-learn and OpenCV to build AI-driven tools that improved logistics efficiency and reduced crop damage, supporting 50+ agricultural companies worldwide.

Junior Machine Learning Researcher — August 2021 - October 2022
AUEB University, NLP Group — *Athens, Greece*

- Conducted research on NLP, Computer Vision, and Deep Learning for medical diagnosis, using CNNs, RNNs, Transformers with PyTorch and TensorFlow for model development and evaluation. [publication] [code]
- Placed **1st** and **2nd** in ImageCLEFmedical, an international competitive campaign for image analysis and retrieval.

EDUCATION

AUEB University — October 2018 - September 2022
BSc in Informatics, Major: AI and Data Systems — *Athens, Greece*

- **Grade**: 8.15/10, **Top 4% of class**, Four-year Degree (240 ECTS)
- **Thesis**: Exploring Uni-modal, Cross-modal, and Multi-modal Medical Captioning [paper]
- **Relevant courses**: Machine Learning, Artificial Intelligence, Statistics, Time Series, Software Engineering.

Certifications

Microsoft: Azure AI Engineer Associate (AI-102) [credential], Azure AI Fundamentals (AI-900) [credential], Azure Fundamentals (AZ-900) [credential]
AWS: Cloud Practitioner (CLF-C02) [credential]

TECHNICAL SKILLS

Languages: Python, SQL (MS SQL, PostgresSQL, MySQL, Oracle, MongoDB), Java, R
Machine Learning & AI: scikit-learn, MLFlow, FLAML, LangChain, LLMs, RAG, TensorFlow, PyTorch, ONNX
Cloud & DevOps: Azure, Git, Docker, DevContainers, CI/CD (Azure Pipelines), YAML, Bash
Others: FastAPI, Django, Poetry/UV, Celery, RabbitMQ, Spring
Languages: Greek (Native), English (Proficient), German (B1)