

# Georgios Zachariadis

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## WORK EXPERIENCE

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### AI Engineer

*PwC Greece*

April 2024 - Present

*Athens, Greece*

- Engineered and led a scalable Machine Learning orchestration system for public sectors workflows, automating tasks, job scaling, and experiment tracking.
- Built end-to-end Machine Learning pipelines on AzureML and Fabric, using FLAML and MLflow.
- Developed RAG-based AI virtual assistants and Agentic systems with LangChain and modern LLMs.
- Built and optimized backend APIs using Django REST and FastAPI in the public sector.
- Applied DevOps best practices, using Docker and CI/CD pipelines for scalable, reliable cloud deployments.
- Partnered with business stakeholders, mentoring engineers and leading the company's Python Community to drive maintainable code, best practices, and continuous improvement.

### Software Engineer

*PPC S.A.*

February 2023 - March 2024

*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

*Ministry of National Defense, Hellenic Army*

November 2022 - November 2023

*Athens, Greece*

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

### Data Science Intern

*Augmenta (Acquired by CNH Industrial)*

April 2022 - September 2022

*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

*AUEB University, NLP Group*

August 2021 - October 2022

*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

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### AUEB University

*BSc in Informatics, Major: AI and Data Systems*

October 2018 - September 2022

*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

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**Languages:** Python, SQL (MS SQL, PostgreSQL, 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)