

# Georgios Zachariadis

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## WORK EXPERIENCE

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| <b>AI Engineer</b><br><i>PwC Greece</i>  | April 2024 - Present<br>Athens, Greece          |
| <ul style="list-style-type: none"><li>Architected and engineered a <b>cloud-native, microservices ML orchestration platform</b> with async execution, autoscaling, and experiment tracking using <b>FastAPI, RabbitMQ, Celery, and MLflow</b>, deployed via <b>Docker</b> with automated <b>CI/CD pipelines on Azure Pipelines</b>.</li><li>Developed production-grade <b>RAG and Agentic AI systems</b> using <b>LangGraph, LangChain, and modern LLMs</b>.</li><li>Built <b>end-to-end ML pipelines</b> on <b>Microsoft Fabric</b> with training, AutoML via <b>FLAML</b>, and model lifecycle management in <b>MLflow</b>.</li><li>Delivered <b>ML-powered APIs</b> with <b>FastAPI and Django REST</b> for seamless production integration.</li><li>Applied <b>MLOps/DevOps practices</b> using <b>Docker, devcontainers, and CI/CD</b> for reproducible and scalable deployments.</li><li>Mentored engineers and led the PwC Greece <b>Python Community</b>, promoting clean architecture and engineering best practices.</li></ul> |   |
| <b>Software Engineer</b><br><i>PPC S.A.</i>  | February 2023 - March 2024<br>Athens, Greece    |
| <ul style="list-style-type: none"><li>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.</li></ul>  |   |
| <b>Military Service</b><br><i>Ministry of National Defense, Hellenic Army</i>  | November 2022 - November 2023<br>Athens, Greece |
| <ul style="list-style-type: none"><li>Served as IT Support Engineer, providing systems support and IT consulting.</li></ul>  |   |
| <b>Data Science Intern</b><br><i>Augmenta (Acquired by CNH Industrial)</i>   | April 2022 - September 2022<br>Athens, Greece   |
| <ul style="list-style-type: none"><li>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.</li></ul>   |   |
| <b>Junior Machine Learning Researcher</b><br><i>AUEB University, NLP Group</i>   | August 2021 - October 2022<br>Athens, Greece    |
| <ul style="list-style-type: none"><li>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. <a href="#">[publication]</a> <a href="#">[code]</a></li><li>Placed <b>1st</b> and <b>2nd</b> in <u>ImageCLEFmedical</u>, an international competitive campaign for image analysis and retrieval.</li></ul>  |   |

## EDUCATION

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|---|---|
| <b>AUEB University</b><br><i>BSc in Informatics, Major: AI and Data Systems</i>   | October 2018 - September 2022<br>Athens, Greece |
| <ul style="list-style-type: none"><li><b>Grade:</b> 8.15/10, <b>Top 4% of class</b>, Four-year Degree (240 ECTS)</li><li><b>Thesis:</b> Exploring Uni-modal, Cross-modal, and Multi-modal Medical Captioning <a href="#">[paper]</a></li><li><b>Relevant courses:</b> Machine Learning, Artificial Intelligence, Statistics, Time Series, Software Engineering.</li></ul> |   |

## Certifications

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| <b>Microsoft:</b> Azure AI Engineer Associate (AI-102) <a href="#">[credential]</a> , Azure AI Fundamentals (AI-900) <a href="#">[credential]</a> , Azure Fundamentals (AZ-900) <a href="#">[credential]</a> |
| <b>AWS:</b> Cloud Practitioner (CLF-C02) <a href="#">[credential]</a>  |

## TECHNICAL SKILLS

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