Georgios Zachariadis

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WORK EXPERIENCE

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

- Designed and deployed AI-powered virtual assistants using RAG pipelines, improving knowledge retrieval through integration with Azure OpenAI and Cognitive Search.
- Built end-to-end ML workflows using modern tools and cloud services, enabling scalable deployment for public sector use cases.
- Developed and optimized RESTful APIs, reducing data validation and execution time by 75%, significantly improving efficiency for analytics pipelines.
- Led integration of CI/CD workflows, enhancing deployment and reliability using Docker, DevOps Pipelines, and Dev Containers.
- Collaborated with cross-functional teams, mentored teams, and delivered presentations to stakeholders, aligning AI solutions with business objectives.

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

- Sole Java Spring developer for ETRM Datalab of PPC, leading the design and implementation of ETL pipelines.
- Developed decision-making dashboards for 100+ users using Primefaces, Plotly, and CSS.

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 — *Athens, Greece*

- Led agricultural optimization project with scikit-learn and OpenCV, creating tools to enhance logistics and mitigate crop damage for 250+ farmers.

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 PyTorch, TensorFlow, and scikit-learn for model development and evaluation.

RESEARCH AND PUBLICATIONS

AUEB NLP Group at ImageCLEFmedical Caption 2022 [publication] [code]

- Placed 1st and 2nd in ImageCLEFmedical, an international competitive campaign for image analysis and retrieval.
- Researched Medical Image Captioning using CNNs, RNNs, Transformers with PyTorch and TensorFlow.

EDUCATION

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

- Four-year Degree, Grade: 8.15/10, **Top 4% of class**, 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.

TECHNICAL SKILLS

Languages: Python, SQL (MS SQL, PostgresSQL, MySQL, Oracle), Java, R
Machine Learning & AI: scikit-learn, TensorFlow, PyTorch, MLFlow, LangChain, LLMs, ONNX
Cloud & DevOps: Azure, Git, Docker, DevContainers, CI/CD (Azure Pipelines), YAML, Bash
Others: FastAPI, Django, Poetry, Spring
Certifications: Microsoft Certified: Azure AI Engineer Associate (AI-102) [credential], Microsoft Certified: Azure AI Fundamentals (AI-900) [credential], Microsoft Certified: Azure Fundamentals (AZ-900) [credential]