Theodoros Athanasiadis
AI Engineer
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Technical Skills

Python
SQL
Java
Bash
PyTorch & TensorFlow
Scikit-Learn
Hugging Face
NumPy & Pandas
MLFlow & Weights and Biases
LangChain
Git & GitHub
GitHub Actions
Docker & Kubernetes
REST APIs
Google Cloud Platform (GCP)

Research Skills

Machine Learning
Deep Learning
Generative AI
Transformer Architecture
Model Optimization
Model Deployment
Uncertainty Quantification
Statistical Analysis
Data Visualization

Core Competencies

Ownership
Customer Focus
Continuous Improvement
Fast Learning
Communication & Teamwork
Critical Thinking
Curiosity
Growth Mindset

Languages

English (Fluent)
Greek (Native)
German (Beginner – learning)

Work Experience

[05.2022 - 06.2025] AI Research Assistant
Machine Learning Lab, University of Freiburg, Freiburg im Breisgau, DE

- Advanced the lab's machine learning frameworks by developing and integrating novel features.
- Mentored over 100 MSc students in the "Foundations of Deep Learning" course.
- Orchestrated the launch of the course as a MOOC, expanding accessibility and impact.

[04.2023 - 01.2024] AI Research Assistant
Fraunhofer Institute for Production Systems and Design Technology (IPK), Berlin, DE

- AI Engineer at the ExoGuide industrial project in collaboration with Exeron GmbH.
- Developed and deployed an AI-driven system for real-time control of Electrical Discharge Machining (EDM), reducing part rejection and improving process efficiency.

[03.2020 - 08.2021] Application & Software Engineer
Dataviva, Thessaloniki, GR

- Contributed to the company's early-stage development.
- Developed and deployed scalable client-tailored optimization tools that improved efficiency and supported large-scale retail operations.
- Mentored intern teams as a technical lead.

[03.2018 - 03.2020] Application & Software Engineer
Veltio, Thessaloniki, GR

- Partnered with clients to gather requirements, clarify business needs, and translate them into tailored software solutions.
- Designed, implemented, and deployed advanced retail optimization solutions that improved supply-chain operational efficiency.

Education

[06.2025] MSc in Computer Science
University of Freiburg, Freiburg im Breisgau, DE

- Grade: 1.2 *(German Grading Scheme, 1:best - 5: fail)*
- Specialization: Artificial Intelligence
- Thesis: Tune my Adam, Please!
  Specialized transformer for Bayesian Optimization of Adam optimizer hyperparameters. (Accepted as a short paper on the non-archival track at the AutoML Conf., 2025)

[11.2017] Diploma in Electrical & Computer Engineering
(Integrated BEng + MEng)
Aristotle University of Thessaloniki, Thessaloniki, GR

- Grade: 7.74 out of 10
- Specialization: Electrical Energy Systems
- Thesis: Ewire, one step closer to Greece's Electrical Grid
  Developed a smart device connecting end-users with real-time grid status.
  Project Repository: github.com/theodorju/ewire