Georgia Christofidi

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EDUCATION

PhD at IMDEA Software Institute, Universidad Politécnica de Madrid.
OCTOBER 2022 - PRESENT

Software, Systems and Computing. **Thesis Title**: Smart and Sustainable Cloud Resource Management with Minimal Use of Machine Intelligence. **Expected Graduation Date:** October, 2027. **Supervisor:** Thaleia–Dimitra Doudali.

National Technical University of Athens, Electrical & Computer Engineering SEPTEMBER 2017 – SEPTEMBER 2022

Bachelor's and Integrated Master's Degree (300 ECTS). **GPA**: 8.38/10. **Specialization**: Computer Systems, Software, Biomedical Engineering.

PUBLICATIONS

Advancing Workload Management with Foundational Models: Challenges in Time Series Similarity and Interpretability. MIDAS ´25 (in SIGMOD), T. Bang, S. Matusevych, Y. Tian, I. Roumpos, G. Christofidi and T. D. Doudali.

Augmenting Cloud Resource Management with the Necessary Amount of Machine Intelligence. EuroPar ´24, PhD Symposium. G. Christofidi and T. D. Doudali.

Do Predictors for Resource Overcommitment Even Predict? EuroMLSys '24.. G. Christofidi and T. D. Doudali.

Is Machine Learning Necessary for Cloud Resource Usage Forecasting? In **ACM SoCC'23**. G. Christofidi, K. Papaioannou, and T. D. Doudali.

Toward Pattern–based Model Selection for Cloud Resource Forecasting. EuroMLSys '23. G. Christofidi, K. Papaioannou, and T. D. Doudali.

PROFESSIONAL EXPERIENCE

Google JUNE – SEPTEMBER 2025, SEATTLE, USA.

Full–time Student Researcher in Systems Research@Google (SRG) on Improving Lifetime–Aware VM scheduling. **Hosts: Yawen Wang, Martin Maas.**

Telefónica JUNE – DECEMBER 2024, BARCELONA, SPAIN.

Full–time Research Internship on Distributed Systems, Edge Computing, Carbon and Resource Efficiency.

National Observatory of Athens JANUARY – SEPTEMBER 2022.

Master's Thesis and Full–time Internship on Lunar Impact Flash Detection, under the supervision of the **European Space Agency (ESA)**.

PROFESSIONAL SERVICE

Artifact Evaluation Committee Member in {ASPLOS, USENIX ATC, OSDI, EuroSys} 2024, EuroSys'23 AE Fall and MLSys 2023. **Shadow PC Member** in EuroSys'25.

TRAINING

Summer Schools: VLDB (JULY 2024 - CLUJ-NAPOCA)**, Deep Learning and Computer Vision** (JUNE 2023 - GENOVA)**, Artificial Intelligence** (JULY 2023 - VIENNA)

Lambraki Institution, *Womentors* (OCTOBER 2020 - MAY 2021, ONLINE)

TALKS

womENcourage™ 2024 - ACM Celebration of Women in Computing.

GEC '23 – 5th Summit on Gender Equality in Computing.

Feminine Innovation: Women in Montegancedo (Universidad Politécnica de Madrid 2023 & 2024).

Fireballs Workshop #03 on Fireball Databases and Machine Learning (University of Glasgow 2022).

SKILLS

Programming Languages: Python, C, C++, Java, SQL, Bash.

Other Technologies: Borg, GCP Tensorflow, Pytorch, Scikit–learn, OpenCV, Kubernetes,Prometheus, Grafana, Jaeger, AWS EKS.

SCHOLARSHIPS

A. G. Leventis Foundation PhD Grant.

Travel Grant Awards: EuroPar'24, womENcourage'24, SoCC'23.