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**: Augmenting Cloud Resource Management with the Necessary Amount of Machine Intelligence.

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

Augmenting Cloud Resource Management with the Necessary Amount of Machine Intelligence. 30th International European Conference on Parallel and Distributed Computing (**EuroPar ´24**, PhD Symposium).

Do Predictors for Resource Overcommitment Even Predict? In Proceedings of the 4th Workshop on Machine Learning and Systems (**EuroMLSys '24**). In conjunction with the 2024 European Conference on Computer Systems (**EuroSys '24**). G. Christofidi and T. D. Doudali.

Is Machine Learning Necessary for Cloud Resource Usage Forecasting? In 14th Symposium on Cloud Computing (**ACM SoCC'23**). G. Christofidi, K. Papaioannou, and T. D. Doudali.

Toward Pattern-based Model Selection for Cloud Resource Forecasting. In Proceedings of the **EuroMLSys '23**. In conjunction with **EuroSys '23**. G. Christofidi, K. Papaioannou, and T. D. Doudali.

PROFESSIONAL EXPERIENCE

Telefónica JUNE – DECEMBER 2024, BARCELONA, SPAIN.

Full-time Research Internship on Distributed Systems, Edge Computing. **Project Title:** Carbon and Resource Efficient Orchestration at the Cloud-Edge Continuum. **Tools:** Kubernetes, Prometheus, Grafana, Jaeger.

National Observatory of Athens JANUARY – SEPTEMBER 2022.

Master's Thesis and Full-time Internship, under the supervision of the **European Space Agency (ESA)**.

PROFESSIONAL SERVICE

Artifact Evaluation Committee Member in ASPLOS 2024, USENIX ATC 2024, OSDI '24, EuroSys'24, 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: Poster Presentation. JUNE 2024

GEC '23 – 5th Summit on Gender Equality in Computing: Poster Presentation (Athens University of Economics and Business). JUNE 2023

Feminine Innovation: Women in Montegancedo event: AI talk to primary school students. (Universidad Politécnica de Madrid). FEBRUARY 2023 & 2024

Fireballs Workshop #03 on Fireball Databases and Machine Learning: Open-Source Software presentation. (University of Glasgow). AUGUST 2022

SKILLS

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

Other Technologies: Tensorflow, Pytorch, Scikit-learn, OpenCV, Kubernetes.

SCHOLARSHIPS

A. G. Leventis Foundation PhD Grant.

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