Georgia Christofidi

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EDUCATION

IMDEA Software Institute, Universidad Politécnica de Madrid.

OCTOBER 2022 - PRESENT

PhD in Software, Systems and Computing. **Specialization**: Machine Learning for Systems.

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 2024 – DECEMBER 2024, BARCELONA, SPAIN.

– Full-time Research Internship on Distributed Systems / Edge Computing.

National Observatory of Athens (NOA) JANUARY 2022 – SEPTEMBER 2022, ATHENS, GREECE.

– Master's Thesis and Full-time Internship, under the supervision of the **European Space Agency (ESA)**. Java software development for Detection, Image Analysis and Pattern Recognition of Lunar Impact Flashes.

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: **Very Large Databases** (JULY 2024 - CLUJ-NAPOCA), **Deep Learning and Computer Vision** (JUNE 2023 - GENOVA), **Artificial Intelligence** (JULY 2023 - VIENNA)

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

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: Talk about AI to primary school students (Universidad Politécnica de Madrid). FEBRUARY 2023 & 2024

Fireballs Workshop #03 on Fireball Databases and Machine Learning: Detailed presentation and hands-on demonstration of the software developed during the activity at NOA (University of Glasgow). AUGUST 2022

SKILLS

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

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

LANGUAGES

- **Greek**: Native
- **English**: C2
- **Spanish**: C1
- **French**: B2
- **German**: B1