Kalogeropoulos Ioannis

✉ ioakalogero@di.uoa.gr · 🔗 jkalogero · 🐙 jkalogero · 🎓 scholar · 🏠 jkalogero.github.io · 🐦 j_kalogero

RESEARCH INTERESTS

Geometric Deep Learning, Metanetworks, Weight Space Learning, Multimodal machine learning

EDUCATION

National and Kapodistrian University of Athens — Athens
PhD Candidate — 2023 –present

- PhD Fellow at **Archimedes Research Unit**
- Department of Informatics and Telecommunications
- Topic: Theoretical foundations of geometric multimodal machine learning
- Supervisor: Yannis Panagakis

National Technical University of Athens — Athens
MEng in Electrical and Computer Engineering — 2016–2022

- Major: Computer Science
- Thesis: "Graph Neural Networks with External Knowledge for Visual Dialog".
- Supervisor: Alexandros Potamianos

PUBLICATIONS

1. Metanetworks as Regulatory Operators: Learning to Edit for Requirement Compliance. **Kalogeropoulos, I.**, Bouritsas, G. and Panagakis, Y.

2. Scale Equivariant Graph Metanetworks. **Kalogeropoulos, I.***, Bouritsas, G.* and Panagakis, Y., *NeurIPS 2024* (***Oral***)

3. Edgeds: Data spaces enabled multi-access edge computing. **Kalogeropoulos, I.**, Vlontzou, M.E., Psaromanolakis, N., Zarogianni, E., Theodorou, V., EuCNC/6G Summit 2023.

4. MLOps meets edge computing: an edge platform with embedded intelligence towards 6G systems. Psaromanolakis, N., Theodorou, V., Laskaratos, D., **Kalogeropoulos, I.**, Vlontzou, M.E., Zarogianni, E. and Samaras, G., EuCNC/6G Summit 2023.

PROFESSIONAL EXPERIENCE

PhD Candidate — Athens
Archimedes Research Unit — September 2023 –present

- Research on Geometric Multimodal Deep Learning.

Machine Learning Research Engineer — Athens
Intracom Telecom, R&D Department — October 2022–September 2023

Full Stack developer — Athens
Nokia — May 2019–May 2020

Teaching Experience

Teaching Assistant

Department of Informatics and Telecommunications   September 2023 –present

Master's Courses:

- Deep Learning

Undergraduate Courses:

- Pattern Recognition - Machine Learning
- Signals and Systems

Skills

- **Machine Learning:** PyTorch, PyTorch-Geometric, TensorFlow, Keras, Scikit-Learn
- **Scientific Programming:** Python, C++, MATLAB, Prolog, NumPy, matplotlib, LaTeX
- **Software Engineering:** Flask, Sqlalchemy, Unix/Unix-like OS, Bash scripting, Angular 9, Typescript, Git, Bootstrap 4, Jira
- **MLOps/DevOps:** Kubeflow, MLflow, Kubernetes, Docker, Argo Workflows
- **Databases:** MySQL, MongoDB, MinIO

Languages

- **Greek:** Native language
- **English:** Full professional Proficiency
- **German:** Limited working Proficiency