Kalogeropoulos Ioannis

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RESEARCH INTERESTS

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

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

3. 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

Mandatory Military Service
Hellenic Air Force (HAF) November 2021 –August 2022

Full Stack developer Athens

Nokia May 2019–May 2020

Teaching Experience

Teaching Assistant Athens

Department of Informatics and Telecommunications September 2023 –present

Undergrad 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