

Kalogeropoulos Ioannis

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RESEARCH INTERESTS

Geometric Deep Learning, Metanetworks, Multimodal machine learning

EDUCATION

National and Kapodistrian University of Athens

PhD Candidate

Athens

2023 –present

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

MEng in Electrical and Computer Engineering

Athens

2016–2022

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

1. Scale Equivariant Graph Metanetworks. **Kalogeropoulos, I.**, Bouritsas, G. and Panagakis, Y., NeurIPS 2024
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

Archimedes Research Unit

Athens

September 2023 –present

- Research on Geometric Multimodal Deep Learning.
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Machine Learning Research Engineer

Intracom Telecom, R&D Department

Athens

October 2022–September 2023

Mandatory Military Service

Hellenic Air Force (HAF)

251 Air Force General Hospital

November 2021 –August 2022

Full Stack developer

Nokia

Athens

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