

DIMITRIADIS NIKOLAOS

📍 Chemin de La Prairie 5D, Lausanne, 1007, Switzerland
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update: July 2022

WORK & EDUCATION

École Polytechnique Fédérale de Lausanne

PhD in Computer Science

📅 Oct 2020 – Oct 2024 (expected)

- Advisors: Pascal Frossard & François Fleuret
- Working on Multi-Task and Continual Learning, interested in task relationships & loss landscape mode connectivity
- Collaborating with Swisscom on Multi-Task Learning, Churn Prediction and advising on multiple MSc theses
- Teaching: Machine Learning courses such as Deep Learning, Fundamentals of inference and learning

National Technical University of Athens

BSc & MSc in Electrical and Computer Engineering

📅 Sep 2014 – Sep 2020

- Thesis: "Tropical Geometry and Applications in Machine Learning and Optimization"
- Advisor: Petros Maragos
- GPA: 9.2/10 (top <5%)

American College of Greece

Minor in Finance

📅 Sep 2018 – Jun 2020

PUBLICATIONS

- [1] Yüzügüler, **Dimitriadis**, Frossard: "U-Boost NAS: Utilization-Boosted Differentiable Neural Architecture Search.". In *European Conference on Computer Vision - ECCV (2022)* [link](#)
- [2] Matoba, **Dimitriadis**, Fleuret: "The Theoretical Expressiveness of Maxpooling". *Under review (2022)* [link](#)
- [3] **Dimitriadis**, Maragos: "Advances in Morphological Neural Networks: Training, Pruning and Enforcing Shape Constraints". In *International Conference on Acoustics, Speech and Signal Processing - ICASSP (2021)* [link](#)

HONORS & AWARDS

- **SNF/ACG Study Abroad Program Scholarship** 📅 Jul 2019
Awarded for summer school studies at the Imperial College Business School by Stavros Niarchos Foundation (SNF) and American College of Greece (ACG).
- **ACG Merit Scholarship & SNF Scholarship** 📅 Sep 2018 - Jun 2020
Dual scholarship for parallel studies at the American College of Greece.
- **Right to Virtuosity Distinction** 📅 Jun 2018
Awarded for extraordinary performance at the Classical Guitar Degree examinations of the National Conservatory of Greece.
- **Classical Guitar Degree** 📅 Jun 2018
Achieved after twelve years of studies at the National Conservatory of Greece.
- **"The Great Moment for Education" Eurobank EFG Scholarship** 📅 Oct 2014
Achieved the highest score at the national exams among students of "Ecole Franco-Hellénique Saint Joseph".
- **Sœur Sébastienne Scholarship** 📅 Oct 2007 - Jun 2014
Full academic scholarship for Junior High and High School at "Ecole Franco-Hellénique Saint Joseph".

SKILLS

Python \LaTeX Git PyTorch JAX

LANGUAGES

English (fluent), French (intermediate), Greek (native)