DIMITRIADIS NIKOLAOS

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update: December 2020

EDUCATION

École Polytechnique Fédérale de Lausanne
PhD in Computer Science   📅 Oct 2020 – Present

- Advisors: Pascal Frossard & François Fleuret
- Collaborating with Claudiu Musat at Swisscom

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%)
- Graduate Level Courses: Theoretical Methods in Computer Vision & Signal Processing, Chaos & Fractals, Convex Optimization and Applications in Machine Learning

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American College of Greece
Minor in Finance   📅 Sep 2018 – Jun 2020

PUBLICATIONS

[1] **DIMITRIADIS N.**, MARAGOS P. "Advances in morphological neural networks: training, pruning and enforcing shape constraints". In *submission* (2020)

[2] **DIMITRIADIS N.**, MARAGOS P. "Advances in the training, pruning and enforcement of shape constraints of Morphological Neural Networks using Tropical Algebra". In *ArXiv* (2020)

HONORS & AWARDS

- **Stavros Niarchos Foundation/American College of Greece (SNF/ACG) Study Abroad Program Scholarship**   📅 Jul 2019
  Awarded for summer school studies at the Imperial College Business School.

- **American College of Greece Merit Scholarship & Stavros Niarchos Foundation 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 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-héllenique Saint Joseph"

- **Sœur Sébastienne Scholarship**   📅 Oct 2007 - Jun 2014
  Full academic scholarship for Junior High and High School at "Ecole Franco-héllenique Saint Joseph".

SKILLS

Python   LaTeX   Git   PyTorch   Matlab   SQL

LANGUAGES

English (fluent), **French** (intermediate), **Chinese** (novice), **Greek** (native)