

Konstantinos Emmanouilidis

emmanouilidis.kons@gmail.com • LinkedIn • GitHub • (+1) 4434537788

RESEARCH INTERESTS

Machine Learning Theory, (Multi-agent) Optimization, Game Theory, Theoretical Computer Science

EDUCATION

Johns Hopkins University (JHU) 08/2022 - current
Department of Computer Science
PhD Candidate

- Advisors: *Nicolas Loizou, Rene Vidal*

National Technical University Of Athens (NTUA) 10/2020 - 06/2021
Department of Electrical & Computer Engineering
Visiting student at CoReLab, NTUA

- Graduate Courses: Algorithms and Complexity, Advanced Algorithms, Algorithmic Game Theory
- Research topic: Recovering the Opinion Dynamics in Networks (*as part of my thesis*)
- Advisor: *Dimitris Fotakis*

Democritus University Of Thrace (DUTH) 10/2016 - 07/2021
BSc & MSc in Electrical and Computer Engineering (5-year joint degree; 300 ECTS)

- Grade: 9.51 / 10.00 (ranking: 1st)
- Thesis: "*Opinion Dynamics in Graphs with Hidden Links*"
- Advisor: *Pavlos Efraimidis*

SELECTED HONORS & AWARDS

- **IEEEExtreme 14.0 Programming Competition**, *top 10% worldwide* 10/2020
- **International Mathematical Competition (IMC)**, *Bronze Medal* 07/2019
- **South Eastern European Mathematical Olympiad (SEEMOUS)**, *Bronze Medal* 03/2019
- **IEEE Region 8 Acceleration Program**, *1st place* 12/2018
- **South Eastern European Mathematical Olympiad (SEEMOUS)**, *Bronze Medal* 03/2018
- **NASA Space Apps Larisa**, *3rd place* 03/2017
- **European Parliament Euroscola Program** 12/2016

RESEARCH & TEACHING EXPERIENCE

- **Research Assistant at Euclid, DUTH** 03/2020 - 06/2021
 - Estimated a network's Markov Chain from opinion samples using Metropolis - Hastings algorithm
 - Examined different optimisation approaches to my thesis (MLE, alternating optimization)
- TA in **Algorithms and Data Structures**, *Democritus University Of Thrace* 10/2020 - 02/2021
- Coordinator / instructor of "Learning to Code with Python" team, *IEEE DUTH SB* 10/2017 - 05/2018

VOLUNTEERING EXPERIENCE

IEEE Democritus University Of Thrace Student Branch

- Chairman 06/2019 - 08/2020
- Founder of IEEE DUTH Computer Chapter 12/2019
- Vice Chair for Technical Activities 11/2018 - 05/2019

SKILLS

- Python, C++ (*intermediate*)
- HTML, CSS, JavaScript, php (*advanced*)
- MATLAB, Java (*basic*)

LANGUAGES

- English (*fluent*)
- German (*intermediate*)
- French (*basic*)
- Greek (*native*)