# Konstantinos Emmanouilidis

Website • Email • Linkedin • GitHub

## RESEARCH INTERESTS

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

## EDUCATION

**Johns Hopkins University (JHU)**                                    08/2022 - current
PhD Candidate, Department of Computer Science
- Advisors: *Nicolas Loizou, Rene Vidal (UPenn)*

**National Technical University Of Athens (NTUA)**            10/2020 - 06/2021
Visiting student at CoReLab, Department of Electrical and Computer Engineering
- Graduate Courses: Algorithms and Complexity, Advanced Algorithms, Algorithmic Game Theory
- Research topic: Recovering 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
- Grade: 9.51 / 10.00 (Ranking: *1st*)
- Thesis: *"Opinion Dynamics in Graphs with Hidden Links"*
- Advisor*: Pavlos Efraimidis*

## PUBLICATIONS & RESEARCH PROJECTS

- Stochastic Extragradient with Random Reshuffling: Improved Convergence for Variational Inequalities
  *Konstantinos Emmanouilidis, Rene Vidal, Nicolas Loizou , AISTATS 2024*
- Opinion Dynamics in Graphs with Hidden Links, *undergraduate thesis*

## HONORS & AWARDS

- **JHU Mathematical Institute for Data Science,** *Spring 2024 Fellowship*                01/2024
- **JHU Mathematical Institute for Data Science,** *Summer 2023 Fellowship*             02/2023
- **IEEExtreme 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

## TEACHING EXPERIENCE

- Optimization for Data Science, *Johns Hopkins University*                        08/2023 - 12/2023
- Algorithms and Data Structures, *Democritus University Of Thrace*      10/2020 - 02/2021

## TECHNICAL SKILLS

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

## VOLUNTEERING EXPERIENCE

- Chairman, IEEE DUTH Student Branch — 06/2019 - 08/2020
- Founder of IEEE DUTH Computer Chapter — 12/2019
- Vice Chair for Technical Activities, IEEE DUTH Student Branch — 11/2018 - 05/2019
- Coordinator of "Learning to Code with Python" team, IEEE DUTH  SB — 10/2017 - 05/2018

## MISCELLANEOUS

- Languages: English, Greek, German, French
- Interests/Hobbies: Piano, Guitar