

# Konstantinos Emmanouilidis

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## EDUCATION

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**Johns Hopkins University (JHU)** 08/2022 - current  
PhD in Computer Science

- Advisors: Nicolas Loizou, Rene Vidal

**National Technical University Of Athens (NTUA)** 10/2020 - 06/2021  
Visiting student at CoReLab, NTUA

- Graduate Courses: Algorithms and Complexity, Advanced Algorithms, Algorithmic Game Theory
- Conducted research as part of my undergraduate thesis (*Supervisor: 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 (*1st among 200 students*)
- Thesis: "*Opinion Dynamics in Graphs with Hidden Links*"  
Supervisor: *Efraimidis Pavlos, Fotakis Dimitris*

## HONORS & AWARDS

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

## RESEARCH & TEACHING EXPERIENCE

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- **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 & LEADERSHIP EXPERIENCE

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**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

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- Python, C++ (Intermediate)
- HTML, CSS, JavaScript, php (advanced)
- MATLAB, Java (basic knowledge)

## LANGUAGES

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