

MERTZANIDIS MARIOS

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1193 Anthrop Drive Apt. 15

West Lafayette, Indiana, US

Jun 12, 1998

EDUCATION

Purdue University

Ph.D. student at the Department of Computer Science

Aug 2022-Present Prof. Drineas, Prof. Psomas

- Received the **Herbold Scholarship** as a recognition of my strong scholarship and potential in the field of CS.

National Technical University of Athens

5-year diploma in Electrical and Computer Engineering.

Sep 2016-Nov 2021 GPA: 8.84/10

The American College of Greece

Minor in Finance

Sep 2017-Dec 2019 GPA: 4/4

- Received the **SNF-Scholarship** as a top-performing student attending two universities in parallel.

WORK EXPERIENCE

Teaching Assistant

Courses: "Discrete Math", "Algorithms & Data Structures".

Mar 2021-Present CoReLab, NTUA

Research, Development, & Documentation

Participated in "Software Defined Satellites" and "Deep Learning in Space" projects.

Sep 2020-Oct 2020 OHB-Hellas

Board Member

Managed an Association with more than 100 active members that organized domestic and international events.

Dec 2017-Mar 2019 EESTEC LC Athens

Judge in High-School Math Competitions

Graded the performance of participants on the spot.

2017-2018 Mathimatikoi Agones

Fundraising Team Leader

Managed a team of 8 members.

Oct 2017-Apr 2018 Job Fair Athens, EESTEC

Event Coordinator

Coordinated the organization of a European International Exchange Event with 100 participants.

Dec 2016-Jul 2017 EESTEC LC Athens

ACHIEVEMENTS

Represented Greece: International Physics Olympiad
1st in Greece in the National Physics Competition

1st EESTech Challenge Greece 2020
2-day hackathon on Deep Learning

110/4000 Globaly in IEEEExtreme 2020
24-hour coding competition

Represented Greece: EBMC Finals 2019
1st in Greece in EBMC challenge, Business and Entrepreneurship competition

5th in Greece, IEEEExtreme 2019

STRENGTHS/INTERESTS

Algorithmic Game Theory

Congestion Games

Facility Location

Network Design

Approximation Algorithms

Randomized Algorithms

Linear Programming

Local Search

Python

Scikit Learn

C/C++

SQL

MapReduce

Analytical thinking

Self-disciplined

Hard-working

Multitask

Trustworthy

Communication Skills

LANGUAGES

Greek



English



French



SEMINARS

Learning in Games, Markets, and Online Decision Making

Summer School, Sapienza Università di Roma, 2021

Games, Dynamics and Learning

Minicourse, CoReLab NTUA, 2021

Big Data & Advanced Analytics

Seminar, Intracom, 2019

Machine Learning, Reinforcement Learning

Various Online Courses, Udemy/Coursera, 2017-2020

Shape of Data

Machine Learning Seminar, EESTEC LC Novi Sad, 2017

RESEARCH

"Facility Location for Selfish Commuters"

Research on the intersection of **Facility Location**, **Network Design** and **Congestion Game** problems.

📅 Nov 2020- Nov 2021

👤 Supervisors: Prof. Fotakis, Dr. Lianias

- Rigorously examined existing techniques in the aforementioned fields.
- Used **Local Search**, **Linear Programming**, **Randomized Routings**, **Sparsification Techniques** to come up with **Approximation Algorithms** and **Counter Examples**.