

## EDUCATION

### Ph.D. in Machine Learning

Nov. 2024 – Oct. 2028

National and Kapodistrian University of Athens, Department of Informatics and Telecommunications

Ph.D. degree offers me specialized knowledge in Machine Learning, Optimization, and Statistics.

- Supervisor: Christos Tzamos.
- Research interests: Theory-based Machine Learning, Optimization, Learning Theory, Combinatorial.

### M.Sc. in Statistical Science

Oct. 2020 – Sep. 2021

University of Oxford, Department of Statistics, Lincoln College

Master degree offered me broad high-level training in Statistics and Machine Learning.

- Courses: Statistical Machine Learning, Algorithmic Foundations of Learning, Advanced Simulation Methods, Computational Statistics, Applied Statistics, Bayes Methods, Foundations of Statistical Inference, Statistical Programming.
- Thesis: *Authorship Attribution in Ancient Greek Texts*, co-supervised by Yannis Assael, George Deligiannidis, and Thea Sommerschild – Grade: **61%**.
- Grade: **Merit**.

### B.Sc. in Mathematics

Sep. 2016 – Aug. 2020

University of Patras, Department of Mathematics

Undergraduate degree offered me broad knowledge in a wide range of Mathematics and motivated me to focus on Statistics and Computer Science.

- Division of Statistics, Probability Theory & Operational Research.
- Thesis: *Mathematical Techniques in Data Science and Machine Learning*, under the supervision of Michael N. Vrahatis – Grade: **10.00/10.00**.
- Grade: **8.90/10.00** (Distinction), equivalent to first-class honours (**top 1%**).

### Summer School in Economic Networks

Jul. 2021

University of Oxford

Studied quantitative methods, applications, and impacts of network theory within Economics.

### Summer School of Nuclear and Particle Physics

Jul. 2020

National Centre for Scientific Research Demokritos

Worked on topics of Computer Science, Machine Learning, Nuclear, and Particle Physics – CERN.

### Summer School in Python

Jul. 2019

University of Patras, Aristotle University of Thessaloniki, Ionian University

Intensive summer school on advanced themes of Data Analysis and Machine Learning, using Python.

## EXPERIENCE

### Ph.D. Researcher

Jul. 2024 – Jun. 2028

Archimedes – AI and Data Science Research Hub and Athena Research & Innovation Center

Working on theory based Machine Learning models through Optimization and Statistics under the supervision of Christos Tzamos.

### Research Assistant

Apr. 2024 – Jun. 2024

Technical University of Denmark, Department of Applied Mathematics and Computer Science

Working on Deep Learning theory, with a focus on exploring the generalization properties of overparameterized models through Optimization and Riemannian geometry under the supervision of Georgios Arvanitidis.

**Research Assistant**

Apr. 2023 – Dec. 2023

*Czech Technical University in Prague, Faculty of Electrical Engineering*

Working on the Mini-batch Stochastic Subgradient Projection method under the supervision of Vyacheslav Kungurtsev, and Jakub Mareček.

**Research Assistant**

Apr. 2022 – Apr. 2024

*Athena Research & Innovation Center, Department of Institute for the Management of Information Systems*

Working on the interface of NLP, Privacy, and Security tasks using LLMs under the supervision of Constantinos Patsakis.

**Research Assistant**

Oct. 2021 – Mar. 2022

*Max Planck Institute for Mathematics in the Sciences*

Working on the authorship attribution NLP task with a focus on Plutarch's texts using LLMs under the supervision of Ivan P. Yamshchikov, and Jürgen Jost.

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**PUBLICATIONS**

C: Conference, J: Journal

J1 *The Anatomy of Deception: Measuring Technical and Human Factors of a Large-scale Phishing Campaign*. Anargyros Chrysanthou, Yorgos Pantis, Constantinos Patsakis. *Journal Computers & Security*, 2024. [Link](#)

C1 *BERT in Plutarch's Shadows*. Ivan P. Yamshchikov, Alexey Tikhonov, Yorgos Pantis, Charlotte Schubert and Jürgen Jost. *Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing*. [Link](#)

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**HONORS & AWARDS****4-year full scholarship**

Jul. 2024 – Jun. 2028

*Archimedes – AI and Data Science Research Hub*

In support of my doctoral studies due to my background.

**Full annual scholarship**

Oct. 2020 – Aug. 2021

*Bodossaki Foundation*

In support of my master's studies due to my bachelor performance.

**Covid-19 assistance fund**

Jun. 2021

*University of Oxford, Lincoln College*

In support of my master's studies.

**Vivian Green student assistance scholarship**

Feb. 2021

*University of Oxford, Lincoln College*

In support of my master's studies.

**4-year annual scholarship**

Every Sept. 2016 – 2020

*Greek State Scholarships Foundation*

In support of my bachelor studies due to my bachelor performance.

**4-year consistently at top 1%**

Every Sept. 2016 – 2020

*University of Patras, Department of Mathematics*

Classified in the top-tier of my class for the duration of my bachelor studies.

**Ranked second among admitted students**

Sept. 2016

*University of Patras, Department of Mathematics*

Second place among accepted candidates for the bachelor's degree program.

## SERVICE

### Reviewer:

- ICLR 2025.
- ICML 2025.

### Exam Proctor:

*Nov. 2024 – Oct. 2028*

- *National and Kapodistrian University of Athens, Department of Informatics and Telecommunications*  
Served as an exam proctor each semester across various courses, effectively co-managing and monitoring classes to ensure smooth exam administration.

### Volunteer:

- *University of Oxford, Lincoln College* *Sept. 2022 – Present*  
Mentor undergraduate and graduate students by providing guidance on their current studies, CV preparation, and applications for graduate programs or industry opportunities.
- *Library, University of Patras* *Sept. 2019 – Aug. 2020*  
Edited digital documents and transcribed handwritten notes to support higher education students with disabilities, including blindness, dyslexia, and other learning challenges.
- *National Technical University of Athens* *Oct. 2019*  
Engaged with the public to explain scientific concepts and advised high school students on selecting universities that align with their interests and goals.