

## EDUCATION

<b>Ph.D. in Machine Learning</b>	Nov. 2024 – Present
<i>National and Kapodistrian University of Athens, Department of Informatics and Telecommunications</i>	
○ Supervisor: Christos Tzamos.	
○ Research interests: Transformers, Neural Networks, Optimization, Combinatorics.	
○ Published at: <b>NeurIPS</b> (1), <b>ICLR</b> (1).	
<b>M.Sc. in Statistical Science</b>	Oct. 2020 – Sep. 2021
<i>University of Oxford, Department of Statistics, Lincoln College</i>	
○ Thesis: <i>Authorship Attribution in Ancient Greek Texts</i> , co-supervised by Yannis Assael, George Deligiannidis, and Thea Sommerschield – Grade: 61%.	
○ Grade: <b>Merit</b> .	
<b>B.Sc. in Mathematics</b>	Sep. 2016 – Aug. 2020
<i>University of Patras, Department of Mathematics</i>	
○ Thesis: <i>Mathematical Techniques in Data Science and Machine Learning</i> , under the supervision of Michael N. Vrahatis – Grade: <b>10.00/10.00</b> .	
○ Grade: <b>8.90/10.00</b> (Distinction), equivalent to first-class honours ( <b>top 1%</b> ).	

## EXPERIENCE

<b>Ph.D. Researcher</b>	Jul. 2024 – Present
<i>Archimedes, Athena Research Center</i>	
○ Conducting research on theory-based Machine Learning models through Optimization and Statistics.	
○ Supervisor: Christos Tzamos.	
<b>Research Assistant</b>	Apr. 2024 – Jun. 2024
<i>Technical University of Denmark, Department of Applied Mathematics and Computer Science</i>	
○ Explored Deep Learning theory via Riemannian geometry.	
○ Supervisor: Georgios Arvanitidis.	
<b>Research Assistant</b>	Apr. 2023 – Dec. 2023
<i>Czech Technical University in Prague, Faculty of Electrical Engineering</i>	
○ Focused on the Mini-batch Stochastic Subgradient Projection method.	
○ Supervisors: Vyacheslav Kungurtsev, and Jakub Mareček.	
<b>Research Assistant</b>	Apr. 2022 – Apr. 2024
<i>Athena Research Center, Institute for the Management of Information Systems</i>	
○ Researched the interface of NLP, Privacy, and Security tasks using LLMs.	
○ Supervisor: Constantinos Patsakis.	
<b>Research Assistant</b>	Oct. 2021 – Mar. 2022
<i>Max Planck Institute for Mathematics in the Sciences</i>	
○ Worked on the authorship attribution task with a focus on Plutarch's texts using LLMs.	
○ Supervisors: Ivan P. Yamshchikov, and Jürgen Jost.	

## PUBLICATIONS

C: Conference   J: Journal   †: equal contribution.

- C<sub>3</sub> *A Derandomization Framework for Structure Discovery: Applications in Neural Networks and Beyond*. Nikos Tsikouras, Yorgos Pantis, Ioannis Mitliagkas, Christos Tzamos. **ICLR 2026**. [Paper]
- C<sub>2</sub><sup>†</sup> *Teaching Transformers to Solve Combinatorial Problems through Efficient Trial & Error*. Panagiotis Giannoulis, Yorgos Pantis, Christos Tzamos. **NeurIPS 2025**. [Paper]
- J<sub>1</sub> *The Anatomy of Deception: Measuring Technical and Human Factors of a Large-scale Phishing Campaign*.

- Anargyros Chrysanthou, Yorgos Pantis, Constantinos Patsakis. **Computers & Security, 2024.** [Paper]  
C<sub>1</sub> *BERT in Plutarch's Shadows*. Ivan P. Yamshchikov, Alexey Tikhonov, Yorgos Pantis, Charlotte Schubert and Jürgen Jost. **EMNLP 2022.** [Paper]

## HONORS & AWARDS

<b>4-year Full Scholarship</b>	<i>Archimedes, Athena Research Center</i>	<i>Jul. 2024 – Present</i>
	In support of my doctoral studies due to my background.	
<b>Research Infrastructure Grant</b>	<i>GRNET – Greek Research &amp; Technology Network</i>	<i>Dec. 2024 – Present</i>
	In support of my doctoral research, computational resources were provided, including AWS credits and high performance computing systems.	
<b>Full Annual Scholarship</b>	<i>Bodossaki Foundation</i>	<i>Oct. 2020 – Aug. 2021</i>
	In support of my master's studies due to my bachelor performance.	
<b>Covid–19 Assistance Fund</b>	<i>University of Oxford, Lincoln College</i>	<i>Jun. 2021</i>
	In support of my master's studies.	
<b>Vivian Green Student Assistance Scholarship</b>	<i>University of Oxford, Lincoln College</i>	<i>Feb. 2021</i>
	In support of my master's studies.	
<b>4-year Annual Scholarship</b>	<i>Greek State Scholarships Foundation</i>	<i>Sep. 2016 – Sep. 2020</i>
	In support of my bachelor studies due to my academic performance.	
<b>4-year Consistently in the Top 1%</b>	<i>University of Patras, Department of Mathematics</i>	<i>Sep. 2016 – Sep. 2020</i>
	Classified in the top-tier of my class for the duration of my bachelor studies.	
<b>Ranked Second Among Admitted Students</b>	<i>University of Patras, Department of Mathematics</i>	<i>Sep. 2016</i>
	Second place among accepted candidates for the bachelor's degree program.	

## TALKS & SERVICE

<b>Talks</b>		
○ Institute of Education Policy – Contributor to the Greek National AI Competition		<i>Jan. 2026</i>
○ HSBC – on Transformer reasoning.		<i>Sep. 2025</i>
○ Archimedes, Athena Research Center – on Transformer reasoning.		<i>May 2025</i>
<b>Reviewer</b>		
○ NeurIPS, ICLR, ICML, TMLR.		<i>2025 – Present</i>
<b>Teaching Assistant</b>		
○ <i>National and Kapodistrian University of Athens, Department of Informatics and Telecommunications</i>		
○ Computational Learning Theory.		<i>Fall Sem. 2025</i>
○ Artificial Intelligence II (Deep Learning for NLP).		<i>Fall Sem. 2025</i>
<b>Volunteer</b>		
○ <i>Archimedes, Athena Research Center</i>		<i>Sep. 2025 – Present</i>
	Organized Greece's AI competition; trained students for the International AI Olympiad.	

## SKILLS

- **Programming:** Python, PyTorch, C++.
- **Machine Learning:** Neural Networks, Transformers, Natural Language Processing.
- **Foundations:** Statistics, Mathematics.