

Anargyros-Georgios (Argyris) Mouzakis

CONTACT INFORMATION	<p>Cheriton School of Computer Science Davis Centre Room 2306N1 200 University Ave W Waterloo, ON N2L 3G1</p>	<p>Email: amouzaki@uwaterloo.ca Website: argymouz.github.io</p>
RESEARCH INTERESTS	Machine Learning Theory, Algorithmic Statistics, Privacy	
EDUCATION	<p>University of Waterloo, (Waterloo, Ontario, Canada) PhD in Computer Science Sept. 2020 - Present Advisor: Gautam Kamath</p> <p>National Technical University of Athens, (Athens, Attica, Greece) Diploma (5 - year degree) in Electrical and Computer Engineering Sept. 2014 - Nov. 2019 Thesis: Learning Techniques for Ranking Distributions Advisor: Dimitris Fotakis GPA: 9.1/10 (Excellent) - ranked 17th among 290 graduates of 2019</p>	
PUBLICATIONS AND MANUSCRIPTS	<p>Optimal Differentially Private Sampling of Unbounded Gaussians Valentio Iverson, Gautam Kamath, Argyris Mouzakis <i>Conference on Learning Theory (COLT)</i>, 2025 <i>Workshop on Theory and Practice of Differential Privacy (TPDP)</i>, 2025</p> <p>Private Mean Estimation with Person-Level Differential Privacy Sushant Agarwal, Gautam Kamath, Mahbod Majid, Argyris Mouzakis, Rose Silver, Jonathan Ullman <i>Symposium on Discrete Algorithms (SODA)</i>, 2025 <i>Workshop on Theory and Practice of Differential Privacy (TPDP)</i>, 2025</p> <p>Not All Learnable Distribution Classes are Privately Learnable Mark Bun, Gautam Kamath, Argyris Mouzakis, Vikrant Singhal <i>International Conference on Algorithmic Learning Theory (ALT)</i>, 2024</p> <p>A Bias-Variance-Privacy Trilemma for Statistical Estimation Gautam Kamath, Argyris Mouzakis, Matthew Regehr, Vikrant Singhal, Thomas Steinke, Jonathan Ullman <i>Journal of the American Statistical Association (JASA)</i>, 2025 <i>Workshop on Theory and Practice of Differential Privacy (TPDP)</i>, 2023</p> <p>New Lower Bounds for Private Estimation and a Generalized Fingerprinting Lemma Gautam Kamath, Argyris Mouzakis, Vikrant Singhal <i>Conference on Neural Information Processing Systems (NeurIPS)</i>, 2022 <i>Workshop on Theory and Practice of Differential Privacy (TPDP)</i>, 2022</p> <p>A Private and Computationally Efficient Estimator for Unbounded Gaussians Gautam Kamath, Argyris Mouzakis, Vikrant Singhal, Thomas Steinke,</p>	

Jonathan Ullman
Conference on Learning Theory (COLT), 2022
Workshop on Theory and Practice of Differential Privacy (TPDP), 2022

UNDERGRADUATE
ADVISING **Valentio Iverson** (co-advised with Gautam Kamath, Fall 2024 - Present)
Published “Optimal Differentially Private Sampling of Unbounded Gaussians” in COLT 2025

RESEARCH
EXPERIENCE **Research Intern**, University of Cambridge (Summer 2023)
Mentors: Po-Ling Loh, Varun Jog

Research Intern, Max Plank Institute for Informatics (Summer 2020)
Mentors: Vasileios Nakos, Themis Gouleakis

HONORS AND
AWARDS **Onassis Foundation Scholarship** for PhD Students (Onassis Foundation, awarded Sept. 2023 - Dec. 2025)
Cheriton Graduate Scholarship for Incoming Students (University of Waterloo, awarded Sept. 2020 - Aug. 2022)
Third Prize in the International Mathematics Competition for University Students (IMC, 2019)
Bronze Medal in the South Eastern European Mathematical Olympiad for University Students (SEEMOUS, 2015)
Distinctions in the Panhellenic Physics Competition (ranked 19th, 31st and 23rd respectively, 2012 - 2014)
Bronze Medals in the Greek Mathematical Olympiad (2011, 2014)
Runner-up for the Junior Balkan Mathematical Olympiad (2011 - tied in positions 8 - 10 in the selection process for the Greek team)

TEACHING
EXPERIENCE **At the University of Waterloo:**

CS480: Introduction to Machine Learning (Fall 2023, Spring 2024, Winter 2025, Spring 2025)

CS370: Numerical Computation (Winter 2023)

CS341: Algorithms (Fall 2022, Winter 2024)

CS245: Logic and Computation (Spring 2022, Spring 2023)

CS246: Object-Oriented Software Development (Spring 2021, Fall 2021, Winter 2022)

At the National Technical University of Athens

Algorithms & Complexity (Fall 2019)

Computer Programming (Fall 2015 - 2018)

PROFESSIONAL
SERVICE **Conference Reviewer:** NeurIPS 2025, COLT 2025, ITCS 2025, SODA 2025, COLT 2024, STOC 2024, ITCS 2024, SODA 2024, FOCS 2023, ICML 2022, NeurIPS 2021-2023

Journal Reviewer: JMLR, IEEE Transactions on Information Theory

Organizer: University of Waterloo Algorithms & Complexity Seminar (Winter 2022 - present), Student Seminar (Fall 2021 - Winter 2022)

VOLUNTEERING **Moderator** for the ECE NTUA students' forum and its associated Wikipedia-style project (2016 - 2021)

SKILLS **Programming:** C/C++, Python, Matlab/Octave

Languages: Greek (Native), English (Cambridge C2 Proficiency), French (Sorbonne C2)