

# Anargyros-Georgios (Argyris) Mouzakis

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CONTACT INFORMATION	<p>Cheriton School of Computer Science Davis Centre Room 2306N1 200 University Ave W Waterloo, ON N2L 3G1</p>	<p>Email: <a href="mailto:amouzaki@uwaterloo.ca">amouzaki@uwaterloo.ca</a> Website: <a href="https://argymouz.github.io">argymouz.github.io</a></p>
RESEARCH INTERESTS	Machine Learning Theory, Algorithmic Statistics, Privacy	
EDUCATION	<p><b>University of Waterloo</b>, (Waterloo, Ontario, Canada) PhD in Computer Science Sept. 2020 - Present Advisor: Gautam Kamath</p> <p><b>National Technical University of Athens</b>, (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><b><a href="#">Optimal Differentially Private Sampling of Unbounded Gaussians</a></b> 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><b><a href="#">Private Mean Estimation with Person-Level Differential Privacy</a></b> 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><b><a href="#">Not All Learnable Distribution Classes are Privately Learnable</a></b> Mark Bun, Gautam Kamath, Argyris Mouzakis, Vikrant Singhal <i>International Conference on Algorithmic Learning Theory (ALT)</i>, 2024</p> <p><b><a href="#">A Bias-Variance-Privacy Trilemma for Statistical Estimation</a></b> 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><b><a href="#">New Lower Bounds for Private Estimation and a Generalized Fingerprinting Lemma</a></b> 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><b><a href="#">A Private and Computationally Efficient Estimator for Unbounded Gaussians</a></b> 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 - Winter 2025), 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)