

# Anargyros-Georgios (Argyris) Mouzakis

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## CONTACT INFORMATION

Cheriton School of Computer Science  
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## RESEARCH INTERESTS

Machine Learning Theory, Algorithmic Statistics, Privacy

## EDUCATION

**University of Waterloo**, (Waterloo, Ontario, Canada)

PhD in Computer Science, Sept. 2020 - Present

Advisor: Gautam Kamath

**National Technical University of Athens**, (Athens, Greece)

Diploma (5 - year degree) in Electrical and Computer Engineering, Nov. 2019

Thesis: Learning Techniques for Ranking Distributions

Advisor: Dimitris Fotakis

GPA: 9.1/10 (Excellent) - ranked 17th among 290 graduates of 2019

## PUBLICATIONS AND MANUSCRIPTS

**[Private Mean Estimation with Person-Level Differential Privacy](#)**

Sushant Agarwal, Gautam Kamath, Mahbdo Majid, Argyris Mouzakis, Rose Silver,  
Jonathan Ullman

*arXiv:2405.20405*, 2024

**[Not All Learnable Distribution Classes are Privately Learnable](#)**

Mark Bun, Gautam Kamath, Argyris Mouzakis, Vikrant Singhal

*International Conference on Algorithmic Learning Theory (ALT)*, 2024

**[A Bias-Variance-Privacy Trilemma for Statistical Estimation](#)**

Gautam Kamath, Argyris Mouzakis, Matthew Regehr, Vikrant Singhal

Thomas Steinke, Jonathan Ullman

*arXiv:2301.13334*, 2023

*In Submission to Journal of the American Statistical Association (JASA)*

*Workshop on Theory and Practice of Differential Privacy (TPDP)*, 2023

**[New Lower Bounds for Private Estimation and a Generalized Fingerprinting Lemma](#)**

Gautam Kamath, Argyris Mouzakis, Vikrant Singhal

*Conference on Neural Information Processing Systems (NeurIPS)*, 2022

*Workshop on Theory and Practice of Differential Privacy (TPDP)*, 2022

**[A Private and Computationally Efficient Estimator for Unbounded Gaussians](#)**

Gautam Kamath, Argyris Mouzakis, Vikrant Singhal, Thomas Steinke, Jonathan Ullman

*Conference on Learning Theory (COLT)*, 2022

*Workshop on Theory and Practice of Differential Privacy (TPDP)*, 2022

## RESEARCH EXPERIENCE

**Research Intern**, University of Cambridge (Summer 2023)

Mentors: Po-Ling Loh, Varun Jog

	<p><b>Research Intern</b>, Max Plank Institute for Informatics (Summer 2020) Mentors: Vasileios Nakos, Themis Gouleakis</p>
HONORS AND AWARDS	<p><b>Onassis Foundation Scholarship</b> for PhD Students (Onassis Foundation, awarded Sept. 2023 - Dec. 2025)  <b>Cheriton Graduate Scholarship</b> for Incoming Students (University of Waterloo, awarded Sept. 2020 - Aug. 2022)  <b>Third Prize</b> in the International Mathematics Competition for University Students (IMC, 2019)  <b>Bronze Medal</b> in the South Eastern European Mathematical Olympiad for University Students (SEEMOUS, 2015)  <b>Distinctions</b> in the Panhellenic Physics Competition (ranked 19th, 31st and 23rd respectively, 2012 - 2014)  <b>Bronze Medals</b> in the Greek Mathematical Olympiad (2011, 2014)  <b>Runner-up</b> for the Junior Balkan Mathematical Olympiad (2011 - tied in positions 8 - 10 in the selection process for the Greek team)</p>
TEACHING EXPERIENCE	<p><b>At the University of Waterloo:</b></p> <p>CS480: Introduction to Machine Learning (Fall 2023, Spring 2024)</p> <p>CS370: Numerical Computation (Winter 2023)</p> <p>CS341: Algorithms (Fall 2022, Winter 2024)</p> <p>CS245: Logic and Computation (Spring 2022, 2023)</p> <p>CS246: Object-Oriented Software Development (Spring 2021, Fall 2021, Winter 2022)</p> <p><b>At the National Technical University of Athens</b></p> <p>Algorithms &amp; Complexity (Fall 2019)</p> <p>Computer Programming (Fall 2015 - 2018)</p>
PROFESSIONAL SERVICE	<p><b>Conference Reviewer:</b> COLT 2024, STOC 2024, ITCS 2024, SODA 2024, FOCS 2023, ICML 2022, NeurIPS 2021-2023</p> <p><b>Journal Reviewer:</b> IEEE Transactions on Information Theory</p> <p><b>Organizer:</b> University of Waterloo Algorithms &amp; Complexity Seminar (Winter 2022 - present), Student Seminar (Fall 2021 - Winter 2022)</p>
VOLUNTEERING	<p><b>Moderator</b> for the ECE NTUA students' forum and its associated Wikipedia-style project (2016 - 2021)</p>
SKILLS	<p><b>Programming:</b> C/C++, Python, Matlab/Octave</p> <p><b>Languages:</b> Greek (Native), English (Cambridge C2 Proficiency), French (Sorbonne C2)</p>