Anargyros-Georgios (Argyris) Mouzakis

| CONTACT INFORMATION | Cheriton School of Computer Science
Davis Centre
Room 2569
200 University Ave W
Waterloo, ON N2L 3G1 | Email: amouzaki@uwaterloo.ca
Website: argymouz.github.io |

RESEARCH INTERESTS

Theoretical Computer Science, Algorithmic Statistics, Machine Learning Theory, 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

A Bias-Variance-Privacy Trilemma for Statistical Estimation
Gautam Kamath, Argyris Mouzakis, Matthew Regehr, Vikrant Singhal,
Thomas Steinke, Jonathan Ullman
arXiv:2301.13334, 2023
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

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

University of Waterloo
Teaching Assistant, CS480: Introduction to Machine Learning
Fall 2023

University of Waterloo
Teaching Assistant, CS370: Numerical Computation
Winter 2023

University of Waterloo
Teaching Assistant, CS341: Algorithms
Fall 2022

University of Waterloo
Teaching Assistant, CS245: Logic and Computation
Spring 2022, 2023

University of Waterloo
Teaching Assistant, CS246: Object-Oriented Software Development
Spring 2021, Fall 2021, Winter 2022

National Technical University of Athens
Teaching Assistant, Algorithms & Complexity
Fall 2019

National Technical University of Athens
Lab Assistant, Computer Programming
Fall 2015 - 2018

PROFESSIONAL SERVICE

Reviewer: SODA 2024, FOCS 2023, NeurIPS 2022, ICML 2022, NeurIPS 2021

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

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)