

Georgios Chionas

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Education

University of Liverpool

Oct 2022 - Present

Doctor of Philosophy (Ph.D.) Candidate in Computer Science

- P.h.D. advisors: Prof. Piotr Krysta, Dr. Georgios Birmas

National Technical University of Athens (NTUA)

Sept 2015 – Feb 2022

Master of Engineering (M.Eng.): Joint degree in Electrical & Computer Engineering

- GPA: 8.03/10
- Thesis: [Evaluation of Social Choice Rules with Ordinal Preferences under Metric Distortion](#) [🔗](#)
- Thesis Advisor: Prof. Dimitris Fotakis, CoReLab (Computation & Reasoning Laboratory)

Publications

[Selling Privacy in Blockchain Transactions](#) [🔗](#)

WINE 2025

- with Olga Gorelkina, Piotr Krysta, Rida Laraki

[MEV Sharing with Dynamic Extraction Rates](#) [🔗](#)

ACM CCS DeFi 2024

- with Pedro Braga, Piotr Krysta, Stefanos Leonardos, Georgios Piliouras, Carmine Ventre

[Who gets the Maximal Extractable Value? A Dynamic Sharing Blockchain Mechanism](#) [🔗](#)

AAMAS 2024

- with Pedro Braga, Piotr Krysta, Stefanos Leonardos, Georgios Piliouras, Carmine Ventre

[Combinatorial Group Testing with Selfish Agents](#) [🔗](#)

NeurIPS 2023

- with Bodgan Chlebus, Dariusz Kowalski, Piotr Krysta

[Adversarial Contention Resolution Games](#) [🔗](#)

IJCAI-23

- with Dariusz Kowalski, Piotr Krysta

Working Papers

Model-based Gym Environments for Liquidity Provision in Constant Function Markets with Concentrated Liquidity and Dynamic Fees

- with Charalampos Kleitsikas, Stefanos Leonardos, Leandro Sánchez-Betancourt, Carmine Ventre
- This work is funded by [UKFin+](#) [🔗](#)

Position Auctions with Capacity Constraints

- with Eleni Batziou, Georgios Birmas, Piotr Krysta

Instant Runoff Voting on Graphs: Exclusion Zones and Distortion

- with Georgios Birmas, Efthymoulos Drousiotis, Soodeh Habibi, Paul Spirakis

Academic Service

Reviewer

- The 18th International Symposium on Algorithmic Game Theory (SAGT 2025)
- The 39th Annual Conference on Neural Information Processing Systems (NeurIPS 2025)
- The 17th International Symposium on Algorithmic Game Theory (SAGT 2024)
- Agentic Markets Workshop (part of International Conference on Machine Learning (ICML 2024))
- The 35th ACM Conference on Economics and Computation (EC'24)
- The 23rd International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2024)

Teaching Experience

TA, Introduction to Game Theory <ul style="list-style-type: none">◦ Assisted students with weekly exercises◦ Co-taught the module with Prof. Paul Spirakis	Fall 2025
TA, Computational Game Theory <ul style="list-style-type: none">◦ Assisted students with weekly exercises	Spring 2025
TA, Introduction to Game Theory <ul style="list-style-type: none">◦ Assisted students with weekly exercises◦ Co-taught the module with Prof. Paul Spirakis	Fall 2024
TA, Computational Game Theory <ul style="list-style-type: none">◦ Assisted students with weekly exercises	Spring 2024
TA, Optimisation <ul style="list-style-type: none">◦ Assisted students with weekly exercises	Fall 2023
TA, Complexity of Algorithms <ul style="list-style-type: none">◦ Assisted students with weekly exercises	Spring 2023

Technologies

Languages: Python, Solidity, Javascript

Volunteering

Computer Instructor at Korydallos detoxification prison unit Taught fundamental principles of Python programming and algorithmic problem solving	Feb 2022 - Sept 2022
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