

# Georgios Chionas

📍 Liverpool, U.K. 📩 g.chionas@liverpool.ac.uk 🐦 Georgios Chionas 🌐 giorgoschionas

## Education

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| <b>University of Liverpool</b><br>Doctor of Philosophy (Ph.D.) Candidate in Computer Science   | <i>Oct 2022 - Present</i>   |
| ◦ P.h.D. advisors: Prof. Piotr Krysta, Dr. Georgios Birmpas  |                             |
| <b>National Technical University of Athens (NTUA)</b><br>Master of Engineering (M.Eng.): Joint degree in Electrical & Computer Engineering | <i>Sept 2015 – Feb 2022</i> |
| ◦ GPA: 8.03/10   |                             |
| ◦ Thesis: <a href="#">Evaluation of Social Choice Rules with Ordinal Preferences under Metric Distortion</a>                               |                             |
| ◦ Thesis Advisor: Prof. Dimitris Fotakis, CoReLab (Computation & Reasoning Laboratory)   |                             |

## Publications

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|--|--------------------------|
| <a href="#">Selling Privacy in Blockchain Transactions</a>                                     | <b>WINE 2025</b>         |
| ◦ with Olga Gorelkina, Piotr Krysta, Rida Laraki   |                          |
| <a href="#">MEV Sharing with Dynamic Extraction Rates</a>                                      | <b>ACM CCS DeFi 2024</b> |
| ◦ with Pedro Braga, Piotr Krysta, Stefanos Leonardos, Georgios Piliouras, Carmine Ventre       |                          |
| <a href="#">Who gets the Maximal Extractable Value? A Dynamic Sharing Blockchain Mechanism</a> | <b>AAMAS 2024</b>        |
| ◦ with Pedro Braga, Piotr Krysta, Stefanos Leonardos, Georgios Piliouras, Carmine Ventre       |                          |
| <a href="#">Combinatorial Group Testing with Selfish Agents</a>                                | <b>NeurIPS 2023</b>      |
| ◦ with Bogdan Chlebus, Dariusz Kowalski, Piotr Krysta  |                          |
| <a href="#">Adversarial Contention Resolution Games</a>  | <b>IJCAI-23</b>          |
| ◦ with Dariusz Kowalski, Piotr Krysta  |                          |

## Working Papers

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| 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 <a href="#">UKFin+</a>  |  |
| Position Auctions with Capacity Constraints  |  |
| ◦ with Eleni Batziou, Georgios Birmpas, Piotr Krysta   |  |
| Instant Runoff Voting on Graphs: Exclusion Zones and Distortion  |  |
| ◦ with Georgios Birmpas, Efthyvoulos 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

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|   |             |
|---|-------------|
| <b>TA, Introduction to Game Theory</b>          | Fall 2025   |
| ◦ Assisted students with weekly exercises       |             |
| ◦ Co-taught the module with Prof. Paul Spirakis |             |
| <b>TA, Computational Game Theory</b>            | Spring 2025 |
| ◦ Assisted students with weekly exercises       |             |
| <b>TA, Introduction to Game Theory</b>          | Fall 2024   |
| ◦ Assisted students with weekly exercises       |             |
| ◦ Co-taught the module with Prof. Paul Spirakis |             |
| <b>TA, Computational Game Theory</b>            | Spring 2024 |
| ◦ Assisted students with weekly exercises       |             |
| <b>TA, Optimisation</b>                         | Fall 2023   |
| ◦ Assisted students with weekly exercises       |             |
| <b>TA, Complexity of Algorithms</b>             | Spring 2023 |
| ◦ Assisted students with weekly exercises       |             |

## Technologies

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**Languages:** Python, Solidity, Javascript

## Volunteering

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