

Charalampos Kokkalis

PHD STUDENT · UNIVERSITY OF EDINBURGH, LFCS

Informatics Forum 5.08, 10 Crichton St, EH8 9AB

✉ charalampos.kokkalis@ed.ac.uk | 🏠 charalamposkokkalis.github.io | 🌐 charalamposkokkalis

Education

University of Edinburgh

PHD IN COMPUTER SCIENCE

- Research Topic: Computational Problems in Auction Theory
- Advisor: Aris Filos-Ratsikas

Edinburgh, UK

Oct 2023 - present

University of Oxford

MCOMPSCI COMPUTER SCIENCE

- Thesis: A Study of Variants of PPA-Complete Problems (Distinction)
- Advisor: Paul Goldberg

Oxford, UK

Sep 2021 - Jun 2022

University of Oxford

BA COMPUTER SCIENCE

- Thesis: Application of Association Schemes in Deriving Linear Programming Bounds for the Size of Codes (Distinction)
- Advisor: Dmitrii Pasechnik

Oxford, UK

Sep 2018 - Jul 2021

Publications

2. Filos-Ratsikas A., Giannakopoulos Y., Hollender A., Kokkalis C.: **Equilibrium Computation in First-Price Auctions with Correlated Priors**. To appear in the 26th ACM Conference on Economics and Computation (EC'25).
1. Filos-Ratsikas A., Giannakopoulos Y., Hollender A., Kokkalis C.: **On the Computation of Equilibria in Discrete First-Price Auctions**. 25th ACM Conference on Economics and Computation (EC'24).

Professional Experience

- | | | |
|-------------|--|---------------------|
| 2022-2023 | PolyAI Technologies Inc. , Machine Learning Engineer | London, UK |
| Summer 2021 | Amazon Inc. , Software Development Engineering Intern | London, UK |
| 2019-2020 | Algora PBC. , Software Engineering Summer Intern | Boston, US (Remote) |

Teaching Experience

- | | | |
|-------------|---|--------------------|
| Spring 2025 | Algorithmic Game Theory and its Applications , Course Tutor and Marker | Univ. of Edinburgh |
| Fall 2024 | Final Year Student Projects , Project co-Supervisor | Univ. of Edinburgh |
| Spring 2024 | Introduction to Algorithms and Data Structures II , Exam Marker | Univ. of Edinburgh |
| Fall 2023 | Introduction to Algorithms and Data Structures I , Coursework Marker | Univ. of Edinburgh |
| Summer 2022 | Cryptology , Teaching Assistant | CTY Greece |
| Spring 2022 | Artificial Intelligence , Practicals Demonstrator | Univ. of Oxford |
| Fall 2021 | Machine Learning , Practicals Demonstrator | Univ. of Oxford |

Student supervision

- | | | |
|-----------|--|--------------------|
| 2024-2025 | Khalid Belhadj , <i>Equilibrium Computation in Autobidding Auctions</i>
(co-supervised with Aris Filos-Ratsikas) | Univ. of Edinburgh |
| 2024-2025 | Nilesh Gurumurthi , <i>Learning in Repeated First-Price Auctions</i>
(co-supervised with Aris Filos-Ratsikas) | Univ. of Edinburgh |

Honors and Awards

- 2024-2026 **Educational Grant**, awarded by the A.G.Leventis Foundation
2024 **Grant to attend ADFOCS'24**, awarded by the Max Planck Institute for Informatics
2024-2027 **DTA Scholarship**, awarded by the EPSRC
2021-2022 **Open Exhibitioner**, awarded by Jesus College, Oxford
2018-2022 **Reuben Scholar**, awarded by the Reuben Foundation

Other Experience

INVITED TALKS AND PRESENTATIONS

- | | | |
|------------|---|---------------------------|
| June 2025 | JECCO 2025 , Invited Talk | <i>Univ. of Edinburgh</i> |
| May 2025 | Formal Analysis, Theory and Algorithms (FATA) Seminar , Invited Talk | <i>Univ. of Glasgow</i> |
| May 2025 | Edinburgh CS/Econ Event , Invited Talk | <i>Univ. of Edinburgh</i> |
| April 2025 | Archimedes Theory Seminar , Invited Talk | <i>Archimedes R.U.</i> |
| June 2024 | WALE 2024 , Poster Presentation | <i>Kefalonia, Greece</i> |

REVIEWING

- August 2025 **WINE 2025**, Program Committee Member
May 2025 **ESA 2025**, Subreviewer

ORGANIZATIONAL

- | | | |
|----------------|--|---------------------------|
| December 2024 | WINE 2024 , Local Support Team | <i>Univ. of Edinburgh</i> |
| 2023 - present | Edinburgh CS/Econ Seminar , Organizer | <i>Univ. of Edinburgh</i> |