Charalampos Kokkalis

PHD STUDENT · UNIVERSITY OF EDINBURGH, LFCS

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Education

University of Edinburgh   *Edinburgh, UK*

PHD IN COMPUTER SCIENCE   *Oct 2023 - present*
- Research Topic: Computational Problems in Auction Theory
- Advisor: Aris Filos-Ratsikas

University of Oxford   *Oxford, UK*

MCOMPSCI COMPUTER SCIENCE   *Sep 2021 - Jun 2022*
- Thesis: A Study of Variants of PPA-Complete Problems (Distinction)
- Advisor: Paul Goldberg

University of Oxford   *Oxford, UK*

BA COMPUTER SCIENCE   *Sep 2018 - Jul 2021*
- Thesis: Application of Association Schemes in Deriving Linear Programming Bounds for the Size of Codes (Distinction)
- Advisor: Dmitrii Pasechnik

Publications

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)**.
  - Poster Presentation at the Workshop on Algorithms for Learning and Economics **(WALE 2024)**

Professional Experience

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

Teaching Experience

Fall 2024	**Student Projects on Autobidding Auctions**, 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*

Honors and Awards

2024-2025	**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