

# Charalampos Kokkalis

PHD STUDENT · UNIVERSITY OF EDINBURGH, LFCS

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## 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

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**)

## Teaching Experience

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

## Professional Experience

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

## 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