

Charalampos Kokkalis

PHD STUDENT · UNIVERSITY OF EDINBURGH, LFCS

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Education

University of Edinburgh

PHD IN INFORMATICS

- Research Topic: Algorithms and Mechanisms for Economic Environments
- 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

Anatolia College High School

INTERNATIONAL BACCALAUREATE DIPLOMA

- HL courses: Further Mathematics, Computer Science, Mathematics, Physics

Thessaloniki, Greece

Sep 2016 - Jul 2018

Teaching Experience

| | | |
|-------------|---|--------------------|
| Spring 2024 | Introduction to Algorithms and Data Structures II, Marker | Univ. of Edinburgh |
| Fall 2023 | Introduction to Algorithms and Data Structures I, 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 |

Professional Experience

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|-------------|--|---------------------|
| 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, Agora PBC. | Boston, US (Remote) |

Publications

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

Honors and Awards

- 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
- 2012-2018 **Full scholarship for tuition fees**, awarded by Anatolia College