

OLIVIA MACMILLAN-SCOTT

olivia.macmillan-scott.16@ucl.ac.uk | <https://oliviams.github.io/>

EDUCATION

University College London London, UK
Ph.D., Computer Science September 2025
Supervisor: Mirco Musolesi
Program: Leverhulme Doctoral Training Programme for the Ecological Study of the Brain

University College London London, UK
Bachelor of Arts and Science (BASc) June 2020
Major: Mathematics
Minor: Conflict studies and international relations
Language: Arabic
Year abroad at Yale-NUS College, Singapore

TEACHING EXPERIENCE

Approaches to Knowledge University College London, UK
Teaching Assistant, Arts and Sciences 2022 & 2023

- Delivered two weekly seminars to groups of around 15 undergraduate students
- Coursework marking and feedback

Interdisciplinary Game Theory University College London, UK
Teaching Assistant, Arts and Sciences 2023 & 2024

- Delivered two weekly seminars to groups of around 25 undergraduate students
- Assisted in the development of a textbook for the course and additional course material
- Coursework marking and feedback

Dissertation co-supervision University College London, UK
Computer Science 2023 & 2024

- Co-supervision of two final year undergraduate dissertations
- Weekly meetings with the students to discuss progress and next steps

Quantitative Methods and Mathematical Thinking University College London, UK
Teaching Assistant, Arts and Sciences 2023

- Delivered two weekly seminars to groups of around 15 undergraduate students
- Coursework marking and feedback

PUBLICATIONS

Olivia Macmillan-Scott & Mirco Musolesi. (2023). *(Ir)rationality in AI: State of the Art, Research Challenges and Open Questions*. ([ArXiv: 2311.17165](https://arxiv.org/abs/2311.17165))

OLIVIA MACMILLAN-SCOTT

Olivia Macmillan-Scott, Akin Ünver & Mirco Musolesi. *Game-theoretic agent-based modelling of micro-level conflict: Evidence from the ISIS-Kurdish War*. PLOS ONE. (forthcoming)

Olivia Macmillan-Scott & Mirco Musolesi. *(Ir)rationality and Cognitive Biases in Large Language Models*. ([ArXiv: 2402.09193](https://arxiv.org/abs/2402.09193))

MANUSCRIPTS UNDER REVIEW

Olivia Macmillan-Scott & Mirco Musolesi. *Maynard Smith Revisited: A Multi-Agent Reinforcement Learning Approach to the Coevolution of Signalling Behaviour*.

PRESENTATIONS

Interdisciplinary Game Theory University College London, UK
Lecture on Bayesian games (No-trade theorem) 2024

22nd Jan Tinbergen European Peace Science Conference University of Bologna, Italy
Spread of protest in polarized societies 2023

Approaches to Knowledge (BASc) University College London, UK
Core module on the Arts and Sciences degree 2022 & 2023
Presentation of my past and current research with a focus on interdisciplinarity in academic work

PROFESSIONAL EXPERIENCE

Bloomberg London, UK
Data Specialist, Global Data (September 2020 – July 2021)

- Resolved data-related issues in both the Global Data Analytics and Structures Notes teams
- Managed projects to improve efficiency of internal processes, such as feed automation

Visa Inc. London, UK
Merchant Sales & Acquiring Intern (June – August 2019)

- Team leader in the creation of a playbook (full concept material) for potential in the mobility sector through data analysis, interviews and desk research for internal and external use

Qatar Embassy Madrid, Spain
Intern (May – June 2019)

- Reviewed relevant Spanish press daily
- Translated communications from Arabic to Spanish

Zyper London, UK
Data & Community Intern (June 2017 – February 2018)

- Generated campaign reports to keep track and communicate their progress to clients

OLIVIA MACMILLAN-SCOTT

- Campaign and community management

Nouvelles Fonctions Urbaines

Paris, France

Intern

(September – December 2015)

- Prepared presentations for investors in Spanish, French and English
- Analysed spreadsheets on real estate valuation
- Translated the company website

LANGUAGES

Fluent:

- English
- Spanish
- French

Intermediate:

- Arabic