

# OLIVIA MACMILLAN-SCOTT

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## EDUCATION

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**University College London** London, UK  
Ph.D., Computer Science September 2025  
Supervisor: Mirco Musolesi  
Doctoral Training Program funded by the Leverhulme Trust

**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

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**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

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Olivia Macmillan-Scott & Mirco Musolesi. *(Ir)rationality and Cognitive Biases in Large Language Models*. Royal Society Open Science.  
(<https://royalsocietypublishing.org/doi/10.1098/rsos.240255>)

# OLIVIA MACMILLAN-SCOTT

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, Akin Ünver & Mirco Musolesi. *Game-theoretic agent-based modelling of micro-level conflict: Evidence from the ISIS-Kurdish War*. PLOS ONE. (<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0297483>)

## PRESENTATIONS

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**Conflict & Change PhD workshop** University College London, UK  
Spread of Protest Onset: The role of urban centres in national level protests 2024

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

**22<sup>nd</sup> 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

## REVIEWS

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Reviewer for JASSS

## PROFESSIONAL EXPERIENCE

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**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

# OLIVIA MACMILLAN-SCOTT

## **Zyper**

*Data & Community Intern*

London, UK

(June 2017 – February 2018)

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

## **Nouvelles Fonctions Urbaines**

*Intern*

Paris, France

(September – December 2015)

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

## **LANGUAGES**

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Fluent:

- English
- Spanish
- French

Intermediate:

- Arabic