

Gabriele La Malfa

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Work Experience

PhD in Safe & Trusted AI (Centre for Doctoral Training)

Fairness in Multi-Agent Systems.

- Principal Supervisors: Prof. [Elizabeth Black](#), Prof. [Michael Luck](#), and Dr. [Jie Zhang](#).

Oct. 2022 – Current

King's College London & Imperial College London, UK

Visiting at Nokia Bell Labs, Cambridge (UK)

Social Dynamics group.

- Principal Supervisors: Prof. Daniele Quercia, Dr. Lakmal Meegahapola.

Jul. 2025 – Current

Cambridge

Research Assistant

Centre for Risk Studies, Judge Business School.

- Risk researcher and modeller in business, financial and cyber risk.
- In collaboration with KIVU Consulting Inc. we published the paper '[Mitigating ransomware risk: determining optimal strategies for businesses.](#)'

Oct. 2020 – Aug. 2022

University of Cambridge, UK

Quantitative Risk Officer

Deutsche Boerse AG

- Financial and credit risk management.
- Model implementation of securities lending products.

Jun. 2020 – Aug. 2020

Luxembourg, Luxembourg

Risk Management Internship

Deutsche Boerse AG

- Operational and business risk management.

Jun. 2019 – May. 2020

Frankfurt, Germany

Education

EM Lyon Business School

MSc Quantitative Finance.

University of Eastern Piedmont

Master's Degree in Accounting, Business Administration and Consulting.

University of Eastern Piedmont

Bachelor's Degree in Accounting, Business Administration and Consulting.

Feb. 2020 – Graduated

Paris, France

Apr. 2017 – Graduated

Novara, Italy

Jul. 2014 – Graduated

Novara, Italy

Publications

Large Language Models Miss the Multi-Agent Mark.

NeurIPS 2025, Position Paper Track

Gabriele La Malfa, Emanuele La Malfa, Samuele Marro, Jie M. Zhang, Elizabeth Black, Michael Luck, Philip Torr, Michael Wooldridge

Fairness Aware Reinforcement Learning via Proximal Policy Optimization.

AAAI Conference on Artificial Intelligence (AAAI-26), Main Technical Track

Gabriele La Malfa, Jie M. Zhang, Michael Luck, Elizabeth Black

Using Protected Attributes to Consider Fairness in Multi-Agent Systems.

ECAI 2024, AEQUITAS workshop

Gabriele La Malfa, Jie M. Zhang, Michael Luck, Elizabeth Black

Deep Neural Networks via Complex Network Theory: a Perspective.

IJCAI 2024, main track

Gabriele La Malfa, Emanuele La Malfa, Giuseppe Nicosia, Vito Latora

Teaching Experience

Artificial Intelligence

Practical

2024-2025 (HT)

King's College London, UK

Mathematics and Statistics for Artificial Intelligence

2024-2025 (HT)

Small Group Tutorial

King's College London, UK

Machine Learning

2023-2024 (HT)

Practical and small group tutorial

King's College London, UK

Logic and Knowledge Representation

2023-2024 (HT)

Practical and small group tutorial

King's College London, UK

Big Data Technologies

2023-2024 (HT)

Practical

King's College London, UK

Elementary Logic and Applications

2023-2024 (HT)

Large group tutorial

King's College London, UK

Artificial Intelligence

2023-2024 (HT)

Practical

King's College London, UK

Conferences and Workshops Organisation

LOD2020, LOD2021, LOD2022, LOD2023, LOD2025

Organizing Committee.

Lake District/Siena

IJCAI 2024 Student Volunteer

Student Volunteer.

Jeju Island, South Korea

Reviewer at AAAI

Academic Projects and Volunteering

Lunchtime Dialogues: Identity & Social Justice - Lead

2024-2025

Lunchtime dialogue series involving all faculties at King's College London.

Dialogues about Identity and Privilege - Lead

2023-2024

Lunchtime dialogue series in the Faculty of Natural, Mathematical and Engineering Sciences (NMES) at King's College London.

Ukrainian Global University - Interviewer

April-June 2023

I interviewed Ukrainian students who want to study in a partner university abroad.

The Kharkiv and Przemyśl Project

August 2022

I spent a week in Przemyśl (Poland) as a volunteer to help refugees who arrived (returned) from (to) Ukraine.

Ukrainian Global University - Interviewer

June-May 2022

I interviewed a dozen prospective undergraduate Ukrainian students who want to study in a partner university abroad.

Cambridge University Amnesty International (CUAI) - Executive Committee Member

Oct-Mar 2021

Executive committee campaigns: W4R (Write for Rights), Stop Killer Robots, general human rights campaigns.

Eutanasia Legale - Volunteer

July 2021

I have collected signatures for a referendum to decriminalize euthanasia. The overall campaign gathered 1.2 million valid signatures.

Centro Gaza Ladra - Volunteer

2018

Volunteering, projects organisation and crowdfunding oriented to involve people with physical and mental impairments in our society.

GitHub Repositories

Fair-PPO

Fairness Aware Reinforcement Learning via Proximal Policy Optimization.

HospitalSim

Reinforcement Learning Environment: Simulation of a hospital daily routine.