

### Education

- Oct '24 – Today **DPhil in Artificial Intelligence**, *University of Oxford*.  
◦ 4-year DPhil at the Oxford AIMS CDT under Prof. **Philip Torr** on **multiagent LLMs**.  
◦ Funded by a 250k USD Microsoft studentship. Graduation: Apr '29.
- Sep '22 – Jul '24 **MSc in Artificial Intelligence**, *University of Bologna*.  
◦ GPA: **29.75/30**, top of the class (170 students). Graduation grade: **110 cum laude**.
- Oct '19 – Jul '24 **Excellency Degree (COTS)**, *Institute of Superior Studies*.  
◦ 5-Year excellency degree (EQF8, Italian system).  
◦ GPA: **29.88/30**. Research topic: adversarial robustness.
- Oct '19 – Jul '22 **BSc in Computer Science**, *University of Bologna*.  
◦ GPA: **29.77/30**, top of the class (150 students). Graduation grade: **110 cum laude**.

### Selected Publications

- Jan '25 Tobin South, **Samuele Marro**, Thomas Hardjono, Robert Mahari, Cedric Deslandes Whitney, Dazza Greenwood, Alan Chan, Alex Pentland, *Authenticated Delegation and Authorized AI Agents*, Under review at ICML 2025.
- Oct '24 **Samuele Marro**, Emanuele La Malfa, Jesse Wright, Guohao Li, Nigel Shadbolt, Michael Wooldridge, Philip Torr, *A Scalable Communication Protocol for Networks of Large Language Models*, Under review at ICML 2025.
- Sep '24 **Samuele Marro**, Davide Evangelista, Emanuele La Malfa, Angelo Huang, Michele Lombardi, Michael Wooldridge, *Language Models Are Implicitly Continuous*, **ICLR 2025**.
- Jun '24 Angelo Huang, Emanuele La Malfa, **Samuele Marro**, Andrea Asperti, Anthony Cohn, Michael Wooldridge, *A Notion of Complexity for Theory of Mind via Discrete World Models*, **EMNLP 2024**.
- Jul '23 **Samuele Marro**, Michele Lombardi. Computational Asymmetries in Robust Classification, **ICML 2023**.

### Research and Teaching Experience

- Nov '23 – Jul '24 **Predocctoral Research Fellow**, *University of Bologna*, Bologna, Italy.  
◦ Department fellowship on adversarial robustness under Prof. Michele Lombardi.
- Mar '24 – May '24 **Visitor**, *University of Oxford*, Oxford, United Kingdom.  
◦ Research visit to the Department of Computer Science to conduct research on the Theory of Mind of LLMs under Dr. Emanuele La Malfa and Prof. **Michael Wooldridge**.
- Sep '22 – Jan '23 **Teaching Assistant**, *University of Bologna*, Bologna, Italy.  
◦ Taught the Applied ML module of “Introduction to Machine Learning” for the Fall '22 semester.
- Nov '21 – Mar '22 **Machine Learning Intern**, *MindIt Srl + Kantar*, Bologna, Italy.  
◦ Developed a **Tensorflow** LSTM implementation compatible with **IBM CPLEX** optimization algorithms.  
◦ Rewrote Meta’s FBProphet time series model in **Tensorflow**.

### Selected Research Awards

- Mar '24 **Microsoft Studentship**, 250k USD.  
◦ Studentship for research into communication protocols between LLMs and multimodal memory in generative models.
- Nov '23 **AIxIA “Leonardo Lesmo” Award**.  
◦ Award for the best Italian AI thesis, granted by the Italian Association for Artificial Intelligence.
- Jan '21 **CINECA HPC Grant**, 170k Core-Hours.  
◦ Grant for the Galileo100 HPC cluster for research on the computational complexity of adversarial attacks.