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# Edoardo Carroccetto

Turin, Italy | edoardocarroccetto@gmail.com | +39 340 731 6116

<https://www.linkedin.com/in/edoardocarroccetto/>

<https://edoishere.github.io/>



## EXPERIENCE

### Research Internship – Machine Learning & Explainable AI

June 2023 - December 2023

Department of Computer Science, University of Turin

*In collaboration with the Italian Ministry of Foreign Affairs*

Developed a machine learning model to predict geopolitical risks, incorporating an interactive visualization for analysis. Applied Explainable AI (XAI) techniques, specifically gradient-based methods, to enhance the interpretability of neural network models.

**Research Output:** Co-authored the paper “Integrating XAI for Predictive Conflict Analytics”, published in **xAI-2024 Late-breaking Work, Demos, and Doctoral Consortium Joint Proceedings**.

## EDUCATION

University of Turin, Italy, Master in Stochastics and Data Science

Sep 2022 - Apr 2025

- **Grade:** 109/110
- **Coursework:** Probability Theory, Statistical inference, Functional Analysis, Multivariate Statistical Analysis.
- **Final dissertation:** Efficient Estimation of Survival Curves and Quantile Treatment Effects under Right-Censored Data: a Causal Machine Learning Approach.

Ghent University, Belgium, Incoming Exchange

Feb 2024 - July 2024

- **Coursework:** Causal Machine Learning, Deep Learning, Natural Language Processing.

University of Turin, Italy, Bachelor in Mathematics for Finance and Insurance

Sep 2019 - July 2022

- **Grade:** 106/110
- **Coursework:** Probability and Statistic, Numerical Analysis, Mathematics for Finance and Insurance, Linear Algebra, Analytical Methods.
- **Final dissertation:** One-dimensional and two-dimensional random walk with extension to Skew walk and non-Markovian walks.

## SKILLS

**Languages:** Italian (Native), English (Proficient)

**Mathematics and IT Skills:** Causal Machine Learning and Causal Inference, Probability and Statistics, R, Python, SAS, MATLAB, C++, SQL

## VOLUNTEER WORK

Volunteer and Board Member (Councillor) at “Movimento Giovanile”, Cafasse (TO)  
Cultural and recreational youth association focused on organizing local events.

Jul 2013 – Jun 2023

Scout and Volunteer at AGESCI, Mathi (TO)

Oct 2017 – Mar 2021

Volunteer and Board Member (Treasurer) at “A.V.I.S.”, Cafasse (TO)

Oct 2018 – Present

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<sup>0</sup>I authorize the processing of my personal data pursuant to art. 13 of Legislative Decree 196/03 and art. 13 GDPR 679/16