
Edoardo Carroccetto

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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)

Jul 2013 – Jun 2023

Cultural and recreational youth association focused on organizing local events.

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

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