



Martina Cinquini

PHD STUDENT IN COMPUTER SCIENCE

ABOUT ME


My hybrid background allows me to tackle a problem from pluralistic viewpoints.

My strong motivation helps me to pursue my goals with ambition and perseverance, always looking to refine my skills through training.


SKILLS


Problem Solving	● ● ● ● ●
Critical Thinking	● ● ● ● ●
Leadership	● ● ● ● ●
Teamwork	● ● ● ● ●
Communication	● ● ● ● ●

CONTACT ME

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 Scan the QR code



EDUCATION

● PHD IN COMPUTER SCIENCE

University of Pisa, Italy | Nov 2021 – Ongoing
Causal Discovery, Data Generation, Pattern Mining,
Explainable Artificial Intelligence

● MSC IN DATA SCIENCE AND BUSINESS INFORMATICS

University of Pisa, Italy | Sept 2017 – May 2021
Data Mining, Big Data Analysis, Business Intelligence, Visual Analytics, Process Mining, Algorithmic, Machine Learning

110\110 | Boosting Data Generation with Effective Nonlinear Causal Discovery. In this thesis project:

- we design an efficient approach for nonlinear causal discovery based on pattern mining
- we implement a generative method based on the boosted nonlinear causal discovery approach

● BACHELOR OF SCIENCE IN DIGITAL HUMANITIES

University of Pisa, Italy | Sept 2014 – June 2017
Programming User Interfaces and Web Applications, Database and Query Languages, Computational Linguistics, Natural Language Processing, Linguistics and Literature in Italian

110\110 cum Laude | Mensana – Prototype Design and Development of a Web Application | EQF level 6

● HIGH SCHOOL DIPLOMA IN FOREIGN LANGUAGES

Liceo Classico G. Carducci, Viareggio, Italy | Sept 2009 – June 2014

- Languages: English, Spanish, French
- CFER Language Level: B2 for Listening, Reading, Spoken Production, Spoken Interaction, Writing

EXPERIENCE

● TEACHING ASSISTANT OF LABORATORY OF DATA SCIENCE

University of Pisa, Italy | First Semester 2022
Master course in Data Science and Business Informatics.

● SCHOLARSHIP RESEARCHER

University of Pisa, Italy | June 2021 – Oct 2021
Causal Discovery for Explainable Artificial Intelligence in the project BIHO Monreale.

● FRESHMAN TUTOR AT DEPARTMENT OF COMPUTER SCIENCE

University of Pisa, Italy | Oct 2020 – Feb 2021
Advising students on academic and related matters, prepares and conducts tutorials.

DIGITAL SKILLS

● PROGRAMMING LANGUAGES

Python, C, PHP, Javascript

● QUERY LANGUAGES

SQL, MDX

● SOFTWARE LANGUAGES

Windows, Linux, Mac OS

● OTHERS

Power BI, Weka, Microsoft Office

LANGUAGES

● ITALIAN

- Mother Tongue

● ENGLISH

- CFER Language Level: B2 for Listening, Reading, Spoken Production, Spoken Interaction, Writing

● SPANISH

- CFER Language Level: B2 for Listening, Reading, Spoken Production, Spoken Interaction, Writing

● FRENCH

- CFER Language Level: B2 for Listening, Reading, Spoken Production, Spoken Interaction, Writing

PUBLICATIONS

● ICAI 2022

The 24th International Conference on Artificial Intelligence | Las Vegas (USA)

CALIME: Causality-Aware Local Interpretable Model

Agnostic Explanations

● IEEE COGMI 2021

The 3rd IEEE International Conference on Cognitive Machine Intelligence | Virtual

Boosting Data Generation with Effective Nonlinear Causal Discovery

CONFERENCES

● [AIES](#) | August 2022

● [NeurIPS](#) | December 2021

● [Google Developer Fest Pisa 0.1](#) | April 2019

● [BigData 2017](#) | February 2017

OTHERS ACTIVITIES OF 2022

● Supervisor of a [Master Thesis](#) in Digital Humanities entitled "Genetic Fairness-Enhancing Data Generation Framework"

● Tutor of the "Data Management for Business Intelligence" course of the [Master in Big Data](#), AA 2021/2022

● User Community Activist in [SoBigData RI](#), EU project

● Attendance of the "[Jacob T. Schwartz International School for Scientific Research](#)" entitled "DATA SCIENCE: Models, Algorithms, AI and Beyond".