

Giacomo Cirò

BSc in Economics and Computer Science

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EDUCATION

•Università Commerciale Luigi Bocconi

BSc in Economics and Computer Science

September 2021 - present

Milan, Italy

- Current GPA: 29.7/30
- No. passed exams: 23 out of 27 (154/180 ECTS)
- Relevant coursework: Machine Learning, Computer Programming, Information Theory, Linear Algebra, Calculus, Complex & Fourier Analysis, Probability & Statistics, Big Data & Databases, Game Theory & Mechanism Design, Econometrics.

•Liceo Scientifico Salvador Allende

Italian Scientific High School Diploma

September 2016 - June 2021

Milan, Italy

- Final Grade: 100/100
- Final Presentation on Quantum Computing
- PCTO at Polimi's "GVPM Galleria del Vento"

EXPERIENCE

•R.A.D. Sicherheit GmbH (F1 Paddock Club)

Access Control

September 2023 - present

Köln, Germany

- Manage the flow of 1000+ guests at Formula 1 Grand Prix;
- Worked at Monza 2023 GP and Mexico City 2023 GP.

•BSML | Bocconi Student for Machine Learning

Co-founder

June 2023 - present

Milan, Italy

- Collected 150+ signatures to found the first Machine Learning Students Association at Bocconi University;
- Screened and interviewed 60+ candidates;
- Created and maintained the website;
- Supervised the publication of 2 articles;
- Leading a research team of 3 people supervised by a Bocconi Faculty Professor.

•Ripley SRL

Steward

June 2022 - present

Milan, Italy

- Worked 250+ hours at 30+ events for major brands such as Ferrari, IBM, Loro Piana, Disney etc.

•Altatto

Waiter

June 2022 - present

Milan, Italy

- Worked 100+ hours at catered events and weddings.

•Self-Employed

Mathematics Tutor

September 2019 - present

Milan, Italy

- Worked 100+ hours with 3 high school students to help them in mathematics and physics.

RESEARCH INTERESTS

•Evolutionary Computing for Neural Architecture Search

NAS, Evolutionary Computing

October 2023 - present

- Studying Evolutionary Algorithms and how they can be applied to Neural Architecture Search, under the supervision of professor Luca Saglietti.

•Gender Bias in Song Lyrics: a Language Specific Analysis

Python, Psychology, Natural Language Processing

September 2023 - present

- Leading a team of 3 people to study gender bias in Italian songs' lyrics using Machine Learning techniques such as word embeddings association tests (WEAT), under the supervision of professor Rafael Jiménez-Durán (project page here).

ADDITIONAL INFORMATION

- **Technical skills:** Python (NumPy, Pandas, Seaborn, Matplotlib, PyTorch, Sklearn, Streamlit); Microsoft Office (Excel, Word, Powerpoint); Adobe Creative Cloud (Acrobat, Photoshop, Illustrator, Premiere Pro); Rstudio; SQL; StataSE; HTML-CS-JS; Knime Analytics Platform; Git.
- **Languages:** English (C1 - Fluent - IELTS 8.0); Italian (Native); Spanish (B1 - Basic - Bocconi Exam).
- **Community Involvement:** AGESCI Boy Scout in Milan, Italy for over 10 years.
- **Sport:** Rugby player in major Italian leagues for CUS Milano Rugby from 2010 to 2023. I now practice boxing.
- **Interests and more:** I love art, poetry and working out. I used to play drums and I'm now learning to play the piano. I'm good at typing fast (120 wpm at keybr.com).

RELEVANT PROJECTS (CURRICULAR & EXTRA)

•Subleasy

October 2023

Extra

- Developed and implemented an algorithm to match demand and offer in the Bocconi Student Halls Subletting Market;
- This project is part of a startup idea to be presented to Bocconi University's acceleration program (b4i).

•Standardization

October 2023

Curricular

- Collaborated in a group of 6;
- Applied OLS Regression to investigate how standardization in customer support influences customer satisfaction;
- Developed different models to account for confounding variables, moderator and mediator effects and industry-specific latent heterogeneity;
- Applied NLP techniques to analyze language patterns in responses (GitHub Repo here).

•SNAI Daily Spin Bot

September 2023

Extra

- Designed and developed an application to automate reward collection using Selenium and Tkinter (GitHub Repo here).

•Words Generator

June 2023

Extra

- Trained a collection of neural networks on different corpora of existing words to make them capable of generating novel, non-existent yet believable words.
- Deployed the final model as a user-interactive and free-access web-app (GitHub Repo here) (interactive WebApp here).

•F1 Race Analysis

June 2023

Extra

- Created an interactive web-app to display statistics and insights from the first ever to the most recent Formula 1 Grand Prix;
- Designed the app to automatically update after each race (GitHub Repo here) (interactive WebApp here).

•Online Data Manipulation Interface

June 2023

Extra

- Automated data manipulation tasks for my father's work-related data;
- Created an online interface accessible from his workplace where he could upload a dataset, specify some parameters and download the processed dataset (GitHub Repo here).

•Production Function Estimation

May 2023

Curricular

- Collaborated in a group of 2;
- Applied Fixed Effect and Random Effects Panel Data Analysis to estimate the production function of a firm;
- Conducted econometrics diagnostic checks, e.g. BP, Hausman and Woolridge test (GitHub Repo here).

•House Price Predictor

April 2023

Curricular

- Designed, developed, trained and tested 3 different machine learning models to predict house prices in Milan, Rome and Venice (45k+ houses)
- Achieved top 10 ranking in a competition of 60+ students;
- Deployed the final model through an interactive web-app (GitHub Repo here) (interactive WebApp here).

•Taylor Rule Estimation by OLS

March 2023

Curricular

- Collaborated in a group of 3;
- Retrieved data related to macroeconomics indicators required;
- Applied Taylor's rule to successfully estimate Austria's interest rate
- Conducted econometrics diagnostic checks, e.g. BP, Ramsey, BW, JB test (GitHub Repo here).

•Paprika & Disaronno

January 2022

Extra

- Designed and minted an NFT collection publicly listed on OpenSea (here).