

Leonardo Tonelli

Email: leonardotonelli03@gmail.com, Cell: +39 3880535640,

GitHub: <https://github.com/leonardotonelli>, LinkedIn: <https://www.linkedin.com/in/leonardo-tonelli-640538237/>

EDUCATION

Nanyang Technological University Singapore

Upcoming Exchange Student

Nominated after a very competitive internal selection process based on the academic performances. Will attend courses on advanced mathematical topics, intelligent systems design and risk analytics

Singapore
January 2025 – May 2025

Bocconi University

2ND Year BCs in ECONOMICS, MANAGEMENT AND COMPUTER SCIENCE (English)

GPA: 29.33/30.00. Expected graduation date: July 2025. Relevant courses: Computer Science (30L), Computer Programming (30L), Machine Learning (30L), Advanced Mathematics and Statistics (29)

Milan, Italy
September 2022 - Present

Liceo Scientifico Marco Vitruvio Pollione

5 years High School Diploma in scientific studies

Final mark: 100/100 Cum Laude (Top 3.4% Italian students)

Relevant classes: Calculus, Italian, Physics, Latin, Biology, Chemistry

Avezzano (AQ), Italy
September 2017 - July 2022

Explore Academy

Selected for INPS “Itaca scholarship” ranking 27th out of 737 students nationally to take part into a Semester Exchange Program in High School Senior Year

GPA: 4.00/4.00

Albuquerque, NM, USA
January 2021 - June 2021

PROFESSIONAL EXPERIENCES

Bocconi University – Research Assistant

Conducted statistical analysis for RCT, combining survey and eye-tracking data, supporting research studies with state of the art quantitative methods. Delivered key insights and data-driven recommendations to enhance study outcomes. Current collaboration is with professor Maria Cucciniello and professor Alessandro Romano.

Milan, Italy
September 2024 - Present

Obloo Ventures, Venture Capital and Private Equity – AI Solutions Developer

Developed an internal app to transcribe and summarize meeting recordings, significantly reducing analysts' workflow time. Assisted in implementing and testing RAG architectures on a NAS, automating periodic data storage and extraction of key insights to boost operational efficiency.

Milan, Italy
June 2024 – September 2024

IT SKILLS

- **Python:** proficient (libraries: Pandas, TensorFlow, Spacy, NumPy, SciPy, Seaborn, Matplotlib, scikit-learn)
- **SQL:** intermediate (self-learner on free online courses totalling to 7 hours)
- **RStudio:** intermediate (Bocconi University statistics course, 30/30, 2023/2024)
- **Git:** intermediate (professional experience)
- **MATLAB:** beginner (Bocconi University extra course, 2022)
- **Excel:** intermediate (Bocconi University extra course, 2023)
- **Power Automate:** intermediate (professional experience)

LANGUAGES

Italian: Native, **English:** Advanced, (IELTS C1 band 8, 2024), **French:** Beginner (Bocconi University course for B1 level), **Spanish:** Beginner

Abroad experience: Centre of English Studies of **Dublin**, July-August 2018. One week exchange program with high school in **Alcorcón**, Spain. Exchange Semester in the **USA**. Upcoming exchange student at Nanyang Technological University, **Singapore**.

ADDITIONAL INFORMATION

Relevant project completed (more on GitHub)

Credit Scoring algorithm

Led a study on the efficiency of different ML algorithms' variations in predicting credit card default focusing on the problem of **unbalancedness** of the dataset. The project resulted in a final paper (on GitHub) and a submission file of probability prediction on a test dataset. Researched based on analysis of **10+** academic papers exploring multiple algorithmic techniques.

Milan, Italy
May 2024

Extracurricular activities

Hackathon Junction 2023

Devised a sustainability-focused solution for enhancing trust in **LLM models**. Explored **RAG model architecture**, developed a Python program indexing websites with reliability scores to promote trustworthy data in language models. Secured participation in this global event by winning a mini-hackathon competition in Milan on 25th September 2023.

Helsinki, Finland
10-12 November 2023

Sport experiences

Played from 2010 to 2022 in my hometown's **basketball** team (2018-2020 played in non-professional regional championship), took part of both **volleyball** and 3v3 basketball high school teams competing in regional tournaments (2nd place in Regional basketball competition in 2020). **Swimming** courses for 7 years. 2-weeks **solo-catamaran** course in Sicily in 2017.

Other activities

Attended **additional courses** both in high school (intensive biology, basics of AutoCAD) and University (Introduction to Machine Learning, Advanced Excel, MATLAB, Quantum Physics). **IT supervisor** of the high school's temporary blog (4k+ total visitors). **Played drums** and attended courses for 6 years, played in public in several occasions, both solo and in group. **AVIS blood donator**.

University Associations

Bocconi Students for Machine Learning (*Student Researcher*, September 2023 - Present), BSI Bocconi (*Project Leader* on tech consulting projects, September 2023 - Present), Hephaestus Applied AI (*Project Leader* on AI projects)