



Lorenzo Peracchio

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Gender: Male **Date of birth:** 4 Feb 1998 **Nationality:** Italian

ABOUT ME

I took a bachelor's degree and a master's degree in Bioengineering, faculty that I chose to attend driven by my passion for learning, problem solving and new technologies. I had the opportunity to be involved in the design and implementation of several projects, individually or in teams, mainly aimed at developing solutions, models and algorithms in the fields of medical informatics, telemedicine, artificial intelligence and machine learning. Specifically, my research is devoted to the development of Trustworthy AI approaches for biomedical research, which I am building my future on thanks to a Ph.D. program on trustworthy AI.

WORK EXPERIENCE

[Jul 2023 – Oct 2023]

Research Scholarship

BMI "Mario Stefanelli" - University of Pavia

Address: Via Ferrata 5, 27100, Pavia, Italy

Research activity on the topic: "Development of general methods for the study of the classification reliability of machine learning algorithms in medicine".

[Mar 2024 – Current]

University Teaching Assistant

University of Pavia

City: Pavia | **Country:** Italy

"Advanced Biomedical Machine Learning" course of the Master's degree in Bioengineering

- Assisting students with understanding course material and solving programming problems
- Providing one-on-one support
- Assisting the professor in correcting the exams

[May 2016 – Jun 2016]

Sales Assistant

St. John's the Baptist Church

City: Chester | **Country:** United Kingdom

As part of a European Erasmus project, I worked as a sales assistant on shop items, bar sales, stock management, reception and support of visitors and tourists, and shop organisation.

EDUCATION AND TRAINING

[Oct 2023 – Current]

Ph.D. Student

BMI "Mario Stefanelli" - University of Pavia <http://www.labmedinfo.org/it/home-it/>

City: Pavia | **Country:** Italy

Ph.D. thematic scholarship on "Trustworthy AI approaches for biomedical research"

[Oct 2020 – Apr 2023]

Master's Degree

Bioengineering - Faculty of Engineering, University of Pavia <http://webing.unipv.eu/>

City: Pavia | **Country:** Italy | **Final grade:** 110 | **Thesis:** "A new method to assess machine learning reliability: development and validation on genomics data."

[Oct 2017 – Nov 2020]

Bachelor's Degree

Bioengineering - Faculty of Engineering, University of Pavia <http://webing.unipv.eu/>

City: Pavia | **Country:** Italy | | **Final grade:** 103 | **Thesis:** "Long QT syndrome acquired following drug administration: pharmacodynamic models."

[Sep 2012 – Jul 2017]

High School Diploma

"Alberti" scientific high school <https://www.istitutocellini.edu.it/pagine/liceo-scientifico-alberti>

City: Valenza | **Country:** Italy | | **Final grade:** 100

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

My Digital Skills

Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access | Python, R, Matlab, Java, C, SQL

HONOURS AND AWARDS

[13 Sep 2023]

Master's Graduation Award Awarding institution: Gruppo Nazionale di Bioingegneria

"Novel Trends in Biomedical Engineering" - IEEE Italy Section Award for my Master's thesis "A new method to assess machine learning reliability: development and validation on genomics data"

Link: <https://premi.grupponazionalebioingegneria.it/vincitori2023>

CONFERENCES AND SEMINARS

[6 Nov 2023 – 9 Nov 2023]

22nd International Conference of the Italian Association for Artificial Intelligence (AIxIA 2023)

Rome

Presentation of the paper "Evaluation of Machine Learning Predictions' Reliability with generative models: towards Trustworthy AI" at the 2nd AIxIA Workshop on Artificial Intelligence For Healthcare (HC@AIxIA 2023) co-located with the AIxIA 2023.

Link: <https://sites.google.com/unical.it/hcaixia2023/home-page?authuser=0>

COMMUNICATION AND INTERPERSONAL SKILLS

Effective Communication

Developed strong verbal communication skills experienced in delivering presentations and speaking in public settings, such as academic seminars and group meetings, and by conducting weekly tutorials and explaining programming concepts in an understandable manner to undergraduate students,

Teamwork

Experience in collaborating with doctoral colleagues and senior researchers on various group projects.

Empathy and Interpersonal Sensitivity

Understanding and addressing the emotional and social needs of others, fostering a supportive and inclusive atmosphere.

Adaptability

Adjust communication styles to suit different audiences and situations, enhancing mutual understanding and cooperation.

ORGANISATIONAL SKILLS

Project Management

Successfully managed multiple academic projects as a Master's and PhD student, ensuring all deadlines were met and research objectives achieved.

Time Management

Effectively prioritized tasks and managed time to balance coursework, research, tutoring responsibilities, and conference attendance.

MANAGEMENT AND LEADERSHIP SKILLS

Project Coordination

Coordinated collaborative academic projects and group studies, delegating tasks and ensuring team members were aligned with goals.

DRIVING LICENCE

Motorbikes: A1

Cars: B

HOBBIES AND INTERESTS

Sports

Travel

Reading

Cooking