

William Colombini

*MSc in Physics of Matter –
Data Analysis and AI*

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in william-colombini

h4students98

Profile

MSc graduate in Physics of Matter with Master Thesis in hyperspectral image analysis and the development of machine learning algorithms for applications in agriculture. Passionate about coding and science communication, with strong communication skills, problem-solving ability, and a continuous learning mindset.

Education

- 2021 – 2024 **MSc in Physics of Matter**, *University of Milano-Bicocca*, Milan, Italy
Final grade: 110/110
Thesis: "*Hyperspectral image analysis using the phasor approach to identify plant diseases*"
Developed MATLAB code for data analysis and ML model training.
- 2017 – 2021 **BSc in Physics**, *University of Pavia*, Pavia, Italy
Final grade: 100/110
Thesis: "*Raman spectroscopy applied to the analysis of Lucio Fontana's inks*"

Professional Experience

- Sep 2024 – **Math and Physics Teacher**, *Liceo Ginnasio Statale B. Cairoli*, Vigevano, Italy
Jun 2025 Designed innovative teaching methods and STEM educational projects.
- Oct 2022 – **Math and Physics Teacher**, *Adelaide Cairoli High School*, Pavia, Italy
Dec 2022 Strengthened organizational and communication skills in classroom management.
- Jan 2022 – **Math and Financial Math Teacher**, *IIS "Italo Calvino"*, Opera, Italy
Jul 2022 Gained valuable experience in conflict management and working with adolescents in sensitive contexts.

Technical Skills

- Programming MATLAB, C++, Python, HTML/CSS, PHP/JavaScript, LaTeX
- Applications Data analysis, Machine Learning, Basic Web Development

Soft Skills

- General Problem solving, critical thinking, leadership, communication, flexibility, stress management, curiosity, teamwork
- Languages Italian (native), English (intermediate)

Career Objectives

- Preferred Sectors Educational technology, energy, data management, financial.
- Mobility Willing to relocate nationally or internationally

Data Protection Consent

I authorize the processing of personal data contained in this CV pursuant to Regulation (EU) 2016/679 (GDPR).