William Colombini

MSc in Physics of Matter –
Data Analysis and AI

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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 – ongoing   **Math and Physics Teacher**, *Liceo Ginnasio Statale B. Cairoli*, Vigevano, Italy
Designed innovative teaching methods and STEM educational projects.

Oct 2022 – Dec 2022   **Math and Physics Teacher**, *Adelaide Cairoli High School*, Pavia, Italy
Strengthened organizational and communication skills in classroom management.

Jan 2022 – Jul 2022   **Math and Financial Math Teacher**, *IIS "Italo Calvino"*, Opera, Italy
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).