

# William Colombini

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

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### Profile

MSc graduate in Physics of Matter with experience 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  
ongoing 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

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).