William Colombini

Master's Degree in Physics of Matter – Data Analysis and AI

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Profile

Master's graduate in Physics with skills in data analysis, machine learning, and programming. Experience in developing predictive models and processing complex data, acquired in academic settings. Strong interest in programming, software development, and digital technologies. Good communication and problem-solving skills, with a strong attitude for continuous learning.

Education

2021 – 2024 **M.Sc. in Physics of Matter**, *University of Milano-Bicocca*, Milan (MI)
Final Grade: 110/110
Thesis: *"Hyperspectral image analysis for identifying plant diseases"*
Project focused on multivariate analysis and machine learning implemented in **MATLAB**.

2017 – 2021 **B.Sc. in Physics**, *University of Pavia*, Pavia (PV)
Final Grade: 100/110
Thesis: *"Raman spectroscopy applied to the analysis of Lucio Fontana's inks"*

Work Experience

Set 2025 – Feb 2026 **Data analyst**, *Snam SPA*, Milano (MI)
Preparation of reports and support in managing activities for the sales department."

Sep 2024 – Jun 2025 **Math and Physics Teacher**, *State Classical High School B. Cairoli*, Vigevano (PV)
Design of educational activities using digital tools.

Jun 2024 – Jul 2024 **Software Developer**, *Sant'Ambrogio Servizi Industriali Srl*, Milan (MI)
Introduction to *design patterns* and *testing* in an OOP context using C#.

Oct 2022 – Dec 2022 **Math and Physics Teacher**, *"A. Cairoli" State Teacher Training Institute*, Pavia (PV)
Strengthening communication and organizational skills in managing complex groups.

Jan 2022 – Jul 2022 **Math and Financial Math Teacher**, *IIS "Italo Calvino"*, Opera (MI)
Introduction to financial mathematics concepts, class management.

Technical Skills

Data Analysis	Python, MATLAB, Excel
ML	Supervised and unsupervised models, optimization, cross-validation
Coding	C++, C#, HTML/CSS, JavaScript, SQL, LaTeX
Other	Git, Linux, process automation, PowerPoint

Soft Skills

Soft skills	Critical thinking, problem solving, communication, teamwork, flexibility, curiosity
Languages	Italian (native), English (intermediate)

Free Time

Hobbies	Board games, D&D, hiking, running