

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

Sep 2024 – **Math and Physics Teacher**, State Classical High School B. Cairoli, Vigevano (PV)

Jun 2025 Design of educational activities using digital tools.

Jun 2024 – **Software Developer**, Sant'Ambrogio Servizi Industriali Srl, Milan (MI)

Jul 2024 Introduction to *design patterns* and *testing* in an OOP context using C#.

Oct 2022 – **Math and Physics Teacher**, "A. Cairoli" State Teacher Training Institute, Pavia (PV)

Dec 2022 Strengthening communication and organizational skills in managing complex groups.

Jan 2022 – **Math and Financial Math Teacher**, IIS "Italo Calvino", Opera (MI)

Jul 2022 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

Sports Climbing, gym, running