Simone Canevari

MSc in Physics - Applied and Nuclear Physics

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Professional Summary

Physics MSc graduate from the University of Pavia with a strong background in science education, data analysis, and programming. Passionate about applied and nuclear physics, particularly in biomedical, industrial, and environmental applications. Open to international experience and interdisciplinary collaboration.

Education

2023 – 2025 **MSc in Physics**, *University of Pavia*, Italy

Specialization in Applied and Nuclear Physics
Thesis (in progress): *"Understanding and Classifying Domestic Microplastics through Raman Spectroscopy and Machine Learning"*
Supervisors: Prof. Pietro Galinetto & Claudio Cusano

2018 – 2023 **BSc in Physics**, *University of Pavia*, Italy

Thesis: *"Radiocarbon dating via 14C and comparison with other methods (thermoluminescence)"*
Supervisor: Prof. Paola Salvini

Work Experience

Jan 2023 – Jun 2023 **High School Physics Teacher (Theory and Practice)**, *Liceo Scientifico G.Cardano, Pavia*, Italy

○ Individual and group lesson planning
○ Strengthening activities and support for students with DSA
○ Experience with educational models, problem-solving, and goal-oriented methods

Jan 2024 – Feb 2024 **High School Physics Teacher (Theory and Practice)**, *Liceo Scientifico N. Copernico, Pavia*, Italy

○ Individual and group lesson planning
○ Strengthening activities and support for students with DSA
○ Experience with educational models, problem-solving, and goal-oriented methods

Skills

Programming Intermediate in Python, Basic in C++, HTML, CSS; Familiar with Microsoft Office tools

Data Modeling Machine Learning for Generalization and Classification

Languages Italian (native), English (B2 CEFR in all skills), Spanish (base).

Career Objectives

Preferred sectors Energy, biomedical, chemical-physical, mechanical and precision engineering

Preferred roles	Engineering and design, R&D and patents, production
Mobility	Available for relocation and international opportunities

Portfolio

Master Thesis	Machine learning model to classify plastic materials via Raman spectra. Tools: Python, SVM. Related to ongoing MSc thesis work.
Bachelor Thesis	Radiodating Techniques Comparison: Comparative analysis of radiodating methods in archaeological contexts
Personal Website	simo7462.github.io/portfolio/index.html

Disclaimer

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