

Simone Canevari

Physics MSc Student -
- Applied and Nuclear Physics

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Professional Summary

Physics MSc student at the University of Pavia with a strong background in physics 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 – **MSc in Physics**, University of Pavia, Italy
expected Specialization in Applied and Nuclear Physics
2025 Thesis (in progress): *"The problem of microplastics in the environment: a machine learning analysis and classification of everyday plastic waste"*
- 2018 – 2023 **BSc in Physics**, University of Pavia, Italy
Thesis: *"Radiocarbon dating via ^{14}C and comparison with other methods (thermoluminescence)"*
Supervisor: Prof. Paola Salvini

Work Experience

- Jan 2023 – **High School Physics Teacher (Theory and Practice)**, Liceo Scientifico G. Cardano,
Jun 2023 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 – **High School Physics Teacher (Theory and Practice)**, Liceo Scientifico N. Copernico,
Feb 2024 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++, Basic in HTML, Basic in CSS
- Data Machine Learning for Generalization and Classification
- Modeling
- Languages Italian (native), English (B2 CEFR in all skills), Spanish (base).

Career Objectives

- Preferred Energy, biomedical, chemical-physical, mechanical and precision engineering
sectors
- Preferred Engineering and design, R&D and patents, production
roles

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