

Martino Zanetti

30 January 1998, Milan
MSc student in Physics

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EDUCATION

Marster's Degree in Plasma Physics - University of Milan (2020 - ongoing)

GPA: 29.4/30.

Currently working on thesis project with Prof. G. Maero: *Formation and dynamics of arrays of vortices in a Penning-Malmberg trap*. Expected graduation: June.

- Core competencies and skills: analog electronics and experimental techniques, measuring instruments and data analysis; UHV and diagnostic equipment, theoretical and practical expertise in mechanics and electrical engineering; LASER and accelerator physics.
- Other competences: programming languages and techniques, including parallel computing and grammar development; Monte Carlo methods applied to advanced statistical physics and complex systems; machine learning and DNN; environmental physics and energy supply issues, superconductors and nuclear fusion; real and complex analysis, differential equations, stochastic processes.

Beachelor's Degree in Physics - University of Milan (2017 - 2020)

Thesis with Prof. L. Miramonti: *Simulation of cosmogenic isotope production in the seabed*, 108/110.

SOFTWARE AND PROGRAMMING ABILITIES

Advanced: Office Package, C, C++, C#, Python, LaTeX, Markdown

Intermediate: Git, MATLAB, Bash, Linux OS

Basic: Makefile, CSS, HTML, YAML

LANGUAGES

Italian: native

English: B2

French: pre-intermediate

German: beginner

OTHER EXPERIENCES

Cultural Association *Lato B – L'altro lato di Milano:*

Executive Committee Member (2019 - 2021)

Volunteers' recruitment, training, shift organization. Management of technical equipment use and maintenance.

Related competences: teamwork skills, team management and leadership.

Project manager (2020 - ongoing)

Planning, implementation and reporting of annual theatre project *Lunedì Teatrali* which receives funding of about 10'000€/year through the "8 per mille" program of the Waldensian Church.

Related competences: complex project management, time scheduling, fund management

Private lessons in Maths, Physics, Chemistry (2017 - ongoing)

Attended 13th International Workshop on Non-Neutral Plasmas as a spectator (September 2022)

Tinkering

Minor repairs dealing with domestic electrical and hydraulic systems, domestic furniture and appliances, wood craftsmanship and steel welding, bicycles and sailing boats. I'm generally inclined towards innovative problem-solving, especially in absence of adequate tools.

Karate at *Yama Karate Club – Milano* (2005 - 2018)

Gained 1st Dan in 2012. Member of the National Team (2015 - 2018). Participated in the WSKA World Championships in 2017. Italian Team Kata Champion in 2018.

Volunteering at *Handicap – Su La Testa! ONLUS* (2015 - ongoing)

PERSONAL INTERESTS

Long-distance wild trekking, mountaineering, high-altitude alpinism and ski-alpinism, rock and ice climbing, bike solo travelling. Photography. Welding, woodworking, tree-climbing and gardening.