

# Martino Zanetti

30 January 1998, Milan  
MSc student in Physics

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## EDUCATION

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### 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

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### 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)

### Partecipation at the 13<sup>th</sup> International Workshop on Non-Neutral Plasmas (September 2022)

### Minor repairs (2013 - ongoing)

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

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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.