

PERSONAL INFORMATION



Francesco Marzolla

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📅 Date of birth 13 Jan 1996 | 🇮🇹 Nationality Italian

EDUCATION AND TRAINING

01/01/2022 - present

PhD student at Sapienza Università di Roma

Scenarios and Models for a Sustainable Mobility in the Post-Covid

The project aims at understanding urban environments and predicting their evolution, also using Machine Learning techniques, to efficiently implement a more sustainable mobility.

01/10/2018 - 21/04/2021

Master's degree in physics

Università degli Studi di Padova, Padova (Italy)

Final mark: 110/110

Thesis: The evolution of spherically symmetric configurations in the Schrödinger equation approach to cosmic structure formation.

Exams needed to achieve the master's degree:

Cosmology, Astroparticles and primordial cosmology, The physical Universe, General Relativity, Stellar structure and evolution, Relativistic astrophysics, Astroparticle physics, Astrobiology, Astronomical Observations, Nuclear physics, Theoretical physics, Advanced Quantum Mechanics, Physics laboratory, Java object-oriented programming.

Extra exams, not contributing to the achievement of the title:

Ethics and globalization, French foreign language, Social and developmental psychology.

The whole master course was taught in English. I graduated the 21st of April 2021, during the academic year 2019-2020.

01/10/2015–14/12/2018

Bachelor's degree in physics

Università degli Studi di Padova, Padova (Italy)

Final mark: 102/110

Thesis: Compatibility between modality and realism in Quantum Mechanics.

Passed exams:

Mathematical analysis 1/2/3, Geometry, Chemistry, General physics 1/2, Experimentations in physics 1/2, Physics laboratory, Modern physics, Institutions of mathematical methods, History of physics, Institutions of theoretical physics, Cultural anthropology, Institutions of matter physics, Institutions of nuclear and subnuclear physics, Institutions of mathematical physics, Philosophy of science.

25/08/2019–31/03/2020

Mobility in the context of the Erasmus+ programme

Université Aix-Marseille, Marseille (France)

19/07/2021-23/07/2021 **Summer school: Energy innovation and integration for a clean environment**
 Summer School jointly held by the Italian Physical Society and the European Physical Society.

January 2020 **Stage at the OHP Observatory**
 Observatoire de Haute-Provence, Saint-Michel-l'Observatoire (France)
 The stage lasted one week.

01/09/2010–01/07/2015 **High school diploma**
 Liceo scientifico P. Paleocapa, Rovigo (Italy)
 Final mark: 100/100

01/10/2010–30/09/2013 **Pre-academic course in violoncello**
 Conservatorio di musica Venezzese, Rovigo (Italy)
 I attended the course in violoncello, obtaining a licence in “pianoforte complementare” with the final mark of 9/10.

PERSONAL SKILLS

During the master’s degree I focused on the field of cosmology and (theoretical) astrophysics. I can program in Python, and I know the basis of Java and C++. I am also proficient in Excel and in writing publications in Latex.
 I attended in 2016 a course in emotional intelligence held by the University of Padua.

Mother tongue Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	C1	C1	C1	B2	B1
	C1 OLS certification				
English	C1	C1	C1	C1	C1
	EFSET of level C2 in listening comprehension and C1 in reading one.				
Latin		A2			A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

I followed a six-month long course of French, of level B2/C1, at Université Aix-Marseille, in 2019. I followed also a one-month long one of English at level C1, held by EF in Dublin, in 2014; and a two week one of French, in Paris, in 2012.