

Alessandro Pignedoli
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EDUCATION

<i>Oct. 2018 - March 2021</i>	Master's Degree in Physics 110/110 Cum Laude Department of Physics, Univeristy of Genova, Genova, Italy Final dissertation: <i>Transport of charge and energy in helical topological systems in the presence of Rashba interaction</i> Supervisors: Dr. Niccolò Traverso Ziani, Dr. Matteo Carrega Relevant Coursework: Quantum Field Theroy, Mesocopic Sitems Physics, Monte Carlo Simulation Methods, Superconductivity
<i>Oct. 2015 - Dec. 2018</i>	Bachelor in Physics 108/110 Department of Physics, Univeristy of Genova, Genova, Italy Final dissertation: <i>Landau Levels: An introduction to quantum Hall effect</i> Supervisor: Dr. Niccolò Traverso Ziani Relevant Coursework: Quantum Mechanics, General Relativity, Fluid Dynamics and Turbolence
<i>Sept. 2010 - July 2015</i>	Five-year High School Diploma in Scientific Studies 92/100 Genoa, Italy Class Reprerentative (2014-2015), Member of students association "Collettivo Lanfranchi" (2011-2015) Final dissertation: <i>Formal reflections on the concept of time</i>

EXPERIENCE

<i>October 2021 - November 2021</i>	Substitute Teacher , Liceo Statale Sandro Pertini, Genova, Liguria, Italy.
<i>April 2021 - July 2021</i>	Substitute Teacher , Istituto Istruzione Superiore Angelo Roth, Alghero, Sardinia, Italy.
<i>2015 - Present</i>	Tutoring: Tutor in math and physics for University and High school students
<i>Sept. 2016 - April 2017</i>	Centro Servizi Nautici Snc: Crew member, Ferretti Group Genova, Italy - La Spezia, Italy - Cannes, France - Viareggio, Italy - Montecarlo
<i>2010 - 2014</i>	Volunteer at "Croce d'oro di Sciarborasca", Cogoletto, Genova, Italy

SKILLS

Languages

ENGLISH: Intermediate

FRENCH: Basic

Computer skills

Mathematica, Matlab, Python, C++, Excel, Word, PowerPoint, L^AT_EX

SPORTS AND HOBBIES

Karate: Brown-Black belt (2006-2011)

Athletics: Middle distance runner (2011 -2012)

Football: Cogoletto Calcio player (2012-2015)

Fitness: Weightlifting and Swimming (2015 - Present)

PERSONAL TRAITS AND MOTIVATION

I am highly motivated and excited to understand how the world works. This is why I chose physics and I continued to cultivate intellectual interests in differents fields, both in the humanities and in the natural sciences