

Motivated and determined mathematical engineer attending the first year of the Ph.D. Course in Data Analytics and Decision Sciences at Politecnico di Milano. I'm mainly interested in Data Analysis, Machine Learning and Image Processing. My strengths are problem solving, analytical approach and team work.

## Work Experience

Milano, Feb. 2021 - Oct- 2022

### Junior Research Assistant at Politecnico di Milano - mOve research group

*One-year activity primarily focused on data-driven model identification applied to intelligent mobility systems. It consists of two main projects developed in collaboration with UnipolSai and Leonardo S.p.a.: the first aims at fostering the adoption of electric vehicles through the analysis of real-world mobility data, while the second focuses on the application of machine learning tools for flight regime recognition.*

## Education

Milano, Nov. 2021 - present

### Politecnico di Milano, Ph.D. in Data Analytics and Decision Sciences

*Thesis: "Diversity-aware design of intermodal smart-mobility Solutions for an inclusive and sustainable society"*

Milano, Sep. 2018 - Dec. 2020

### Politecnico di Milano, Msc in Mathematical Engineering - Applied Statistics

*Teaching Language: English*

*Grade: 110L/110*

*Thesis: "Analysis and Modelling of Pedestrian-Robot Interactions"*

Sweden, Jan. 2019 - Jun. 2019

### Linköping University, One semester experience within the project Erasmus+

*Teaching Language: English*

Milano, Sep. 2015 - Jul. 2018

### Politecnico di Milano, Bachelor's Degree in Mathematical Engineering

*Teaching Language: Italian*

*Grade: 103/110*

*Thesis: "Deformetrica, a new method for statistical shape and deformation analysis"*

Monza, Sep. 2010 - Jul. 2015

### LCS B. Zucchi, Maturità Classica

*Grade: 99/100*

## Volunteering

Milano, Jul. 2015 - Present

### La Cordata Onlus, Volunteering association for people with disabilities

Estonia, Jul. 2014

### Legambiente, Environmental Volunteer work in an international team.

## Awards

Spring 2020

### Exemptions for Category 1 - Students with particularly high merits 2019-2020

## Academic Projects

Spring 2020

### Mobility and Pollution in Lombardy - Applied Statistics

*Group leader in a project aimed at analysing the relation between pollution and mobility data in municipalities of Lombardy.*

Autumn 2019

### JAGS STAN & NIMBLE: hands on comparison - Bayesian Statistics

*Group project focused on a deep analysis and comparison of bayesian algorithms and related performance of 3 different popular software.*

## Technical Skills

Programming

PYTHON, MATLAB, R, C++, C, STAN, AMPL

Software

ANSYS CFX, ANSYS FLUENT

## Languages

Italian

Native Language

English

Fluent - C1

Spanish

Intermediate