

NAME SURNAME

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EDUCATION

Master of Science in Mathematical Engineering: Statistical Learning track

📅 2020 – ongoing 📍 Politecnico di Milano

Average Grade: 29.18/30; GPA: 3.89

Expected graduation date/grade: Dec 2022 / 110 with Laude

Thesis: Evaluation on researchers' migrations using innovative data from ORCID

Bachelor of Science in Mathematical Engineering

📅 2017 – 2019 📍 Politecnico di Milano

Graduation Grade: 102/110

Thesis: Deep Trouble for Deep Learning

TECHNICAL SKILLS

- **Programming Languages**
C++, Python
- **Tools**
R, AMPL, MATLAB
- **Software**
Office Package

LANGUAGES

Italian
English



UNIVERSITY PROJECTS

A Statistical Investigation of Researchers' Migrations Across Europe

📅 Apr 2021 - ongoing

Investigate the migration patterns and build models aimed at policy proposal, identifying key investment areas to address Brain Drain.

A Multi-Armed-Bandit Strategy for E-Commerce of Cruise Booking

📅 Apr 2022 - July 2022

Explore *Multi-Armed-Bandit* algorithms to determine optimal price configurations in e-commerce setting.

Comparing Black Box and White Box Classification. A Case Study on GTZAN Music Genres Dataset

📅 Sept 2021 - July 2022

Develop *CNNs* and *GLMs* for classification of audio files, exploring different techniques and comparing the two Machine Learning approaches.

A Variational Approach for Novelty Detection

📅 Sept 2021 - Jan 2022

Adapt *Variational* (optimization) techniques to efficiently solve Novelty Detection problems.

PROFESSIONAL INTERESTS

My main interest is developing models and techniques for approaching unique challenges on **data science** problems, often with the use of unconventional data sources. Such problems can be of business and social nature, with a particular eye for policy and **strategy** definition.

ABOUT ME

If I were to describe myself the first adjective will surely be **flexible**. I enjoy the thrill of a new challenge and like to explore new areas where my abilities have yet to be tested. I am an **independent** person, but gladly work in teams where I can learn from those around me, while contributing by offering my personal way of problem-solving. My personal interests reflect my attitude toward life; I enjoy discovering **new music genres** and exploring different cultures through it, while at the same time challenge myself by **reading non-fiction essays** on topics far from my mathematical and data-oriented expertise. On my free time I like to **sail** and explore both cities and natural landscapes by **cycling**.

VOLUNTEERING

Mathematics Tutor

📅 Sep 2014 - June 2017

📍 LSS E. Vittorini, Milan

I took part in the school initiative "S-TUTOR: student tutor" as a Mathematics Tutor, where I helped younger students who struggled with the subject in a peer-to-peer manner.

Instructor Assistant - Sailing and Kayaking

📅 June - Aug 2016/2017

📍 Centro Nautico Lago delle Nazioni

I helped in sharing my passion for sailing and kayaking by taking the role of Instructor Assistant in the courses offered by the Italian Naval League.

COURSES AND EXPERIENCES

Boarding on the Training Ship Palinuro (Italian Navy)

📅 Sep 2017 - Oct 2017

📍 Tyrrhenian Sea

Case Study Methodology

📅 Dec 2019

📍 Politecnico di Milano

Data science, visualization and interactive narratives for CCI

📅 July 2020

📍 Politecnico di Milano