

# Isacco Beretta

## Curriculum Vitae

Via Ugo La Malfa 9  
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Date of birth 1 Giugno 1995



## Education

2018 - 2021. **Master Degree in Philosophy**, *Università Statale di Milano*, 110/110 with honours.

Thesis title: "Alcuni problemi della Meccanica Quantistica. L'eredità di Einstein" ("Some problems of Quantum Mechanics. The Einstein's Legacy").

2015 - 2018 **Bachelor's Degree in Physics**, *Università Statale di Milano*, 109/110.

Thesis title: "Metodi Numerici per la Ricostruzione di Funzioni Polinomiali Fratte" ("Numerical Methods for Reconstructing Fractional Polynomials").

2014 - 2015 **Undergraduate Student in Philosophy**, *Università Statale di Milano*.

2009 - 2014 **High School Diploma (Liceo Scientifico)**, *Istituto Achille Mapelli*, Monza.

## Languages

**Italian** Native language

**English** Good (Speaking and Writing), Fluent (Reading and Listening)

**Spanish** Beginner

## Computer Skills

<b>Python</b>	Good	<b>LaTeX</b>	Good
<b>C/C++</b>	Good	<b>Office Pack</b>	Good
<b>Mathematica</b>	Good	<b>Java</b>	Good
<b>JavaScript</b>	Intermediate	<b>CUDA-C</b>	Intermediate
<b>Adobe Pack</b>	Intermediate	<b>PHP</b>	Intermediate
<b>Matlab</b>	Intermediate	<b>R</b>	Basic
<b>Ruby</b>	Basic	<b>Julia</b>	Basic

## Other Educational Experiences

2021 *Machine Learning* - Coursera - by Stanford University

2021 *Deep Learning Specialization* - Coursera - by Deeplearning.AI

- Neural Networks and Deep Learning
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization

- 2021 *Applied Data Science with Python Specialization* - Coursera - by University of Michigan
- Introduction to Data Science in Python
  - Applied Plotting, Charting & Data Representation in Python
  - Applied Machine Learning in Python
  - Applied Text Mining in Python
  - Applied Social Network Analysis in Python
- 2021 *Probabilistic Graphical Models Specialization* - Coursera - by Stanford University
- Probabilistic Graphical Models 1: Representation
  - Probabilistic Graphical Models 2: Inference
  - Probabilistic Graphical Models 3: Learning
- 2020 *Algorithms and Data Structures* - IT Department - Università Statale di Milano
- 2020 *Computer Architecture* - IT Department - Università Statale di Milano

## Volunteering

### Associazione Minerva

Minerva is a cultural association born in 2013, currently having about 100 members. Over the years, it has proposed various cultural initiatives on legality, education, economics, politics. It provides services for the citizens such as after-school, study rooms management, school guidance, green areas cleaning.

- 2019 - pres. **Secretary**, *Ass. Minerva*, Concorezzo.
- 2018 **Teaching Desk**, *"Diventare Futuro" project, funded by the "Fondazione della Comunità di Monza e Brianza"*.
- 2017 **"Ora Legale"**, *Ass. Minerva*, Concorezzo.  
Concerning the topic of legality. Project manager
- 2016 **"Questioni di Riforma Costituzionale"**, *Ass. Minerva*, Concorezzo.  
On the 2016 Italian Constitutional referendum. Project manager
- 2016 **"Support for the High School Thesis"**, *Liceo Banfi*, Vimercate.  
Project Manager
- 2014–2018 **After-school service**, *Middle schools in Concorezzo*.  
Weekly appointment in collab. with the teachers of the school.

### Other

- 2013 - pres. **Private lessons**.  
I regularly teach scientific subjects to high school and university students.
- 2018 - 2019 **Civic List "La Rondine Concorezzo"**.  
I contributed to the construction of a civic list in Concorezzo for the municipal elections of May 2019. During the election campaign i also worked as communication manager and graphic designer, applying for the role of city councilor.

## Hobbies and Interests

- Tennis I had practised competitive activities until 2016. At the moment I play as an amateur.
- Music I occasionally play drums in my free time.