



Alessandro Trenta

Curriculum Vitae

Personal Details

Name Alessandro Trenta
Birth date 15/01/1998
Address Via S. Allende 10, 25034, Orzinuovi, BS, Italy
Phone (+39) 3387019883
number
Email alessandrotrenta.30@gmail.com, alessandro.trenta@sns.it
Nationality Italian

Education

2020–Present **Master degree in Mathematics**, *Università di Pisa*, Pisa.
2017–Present **Master degree in Mathematics**, *Scuola Normale Superiore*, Pisa.
2017–2020 **Bachelor degree in Mathematics**, *Scuola Normale Superiore*, Pisa, 110/110 cum Laude.
2012–2017 **Secondary School**, *Liceo Scientifico delle Scienze Applicate G. Galilei*, Crema (CR), 100/100 cum Laude.
2017 **Stage "Ad un passo dalle IPhO"**, *AIF*, ICPT, Trieste.
2015-2016- **Stage on the Mathematics Olympiad**, *UMI*.
2017 6 Stages held in Pisa (PI) organized by the Olympic Group of UMI (Italian Mathematicians Union)
2016 **Stage on the Physics Olympiad**, *AIF*.
Stage held in Sigillo (PG) organized by the Olympic Group of AIF (Italian association for the teaching of Physics)

Bachelor thesis

title Teoria dell'informazione, predizione e portafogli universali
Supervisor Prof. Stefano Marmi (Scuola Normale Superiore)

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🌐 uz.sns.it/~trenta

description Applications of information theory concepts and tools (Shannon entropy, universal prediction algorithms, universal codes) to the financial market following the work by Cover, Thomas, Algoet

Experience

2019–Present **Part time collaboration**, *Scuola Normale Superiore*, Pisa.
Administration and maintenance of the computer rooms of Fermi college of Scuola Normale Superiore (Debian GNU/Linux)

Awards

Physics Olimpiad

2016/2017 Gold medalist at the National Physics Olympiad. Part of the Italian national team and Bronze medalist at the 48th International Physics Olympiad (IPhO) in Yogyakarta, Indonesia.

2015/2016 Bronze medalist at the National Physics Olympiad.

Individual Mathematics Olympiad

2016/2017 Gold medalist at the National Mathematics Olympiad. Participation at the final phase of the Math games of Università Bocconi

2015/2016 Silver medalist at the National Mathematics Olympiad. Participation at the final phase of the Math games of Università Bocconi. Participation at the final phase of Kangourou of Mathematics

2014/2015 Bronze medalist at the National Mathematics Olympiad. Participation at the final phase of the Math games of Università Bocconi. Participation at the final phase of Kangourou of Mathematics

Team Mathematics Olympiad

2016/2017 Participation at the national phase of the Italian Team National Olympiad

2015/2016 Participation at the national phase of the Italian Team National Olympiad

2014/2015 Participation at the national phase of the Italian Team National Olympiad

Informatics Olympiad

2020 Participation at the regional phase of ICPC 2020 held in Paris

2016 Participation at the national finals of the National Informatics Olympiad

Computer skills

Basic Bash, Docker, R

Intermediate HTML, \LaTeX , OpenOffice, Office, Linux, Debian, JavaScript ES6, CSS, MatLab, Django framework

Advanced C/C++, Python, (NumPy, matplotlib)

Languages

Italian Mother tongue

English C1, CAE certificate passed at grade B in 2016

Grade 195/210

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French B1, French class at Scuola Normale Superiore - No certification

Interests

- Programming, informatics
- Basketball, football, motorsports
- Videogames

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