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I'm a math enthusiast who loves to challenge himself with every kind brain teasers, alone but above all by working as a team in order to exchange ideas. I'm a curious person, I'd like to know everything I don't know yet. I like swimming and walking, reading books, watching films and TV series, playing the guitar, operas and classical music (Beethoven and Verdi are my favourites).

Experience

Research Internship

Bilbao, Spain

March 2020 - January 2021

B.C.A.M. - BASQUE CENTER FOR APPLIED MATHEMATICS

www.bcamath.org

B.C.A.M. offered the opportunity to study the most common probabilistic transformations in Machine Learning from a projective geometry point of view. Research areas: Projective Geometry, Probability

Education

Master of Science in Mathematics (LM-40)

Rome, Italy

LA SAPIENZA UNIVERSITY OF ROME

Sept. 2018 - March 2021

120 university credits. Curriculum: Algebra and Geometry Final Mark: 110/110 con Lode (Full marks with Honours)

The degree mixes topics mainly from algebra, geometry and number theory, without neglecting analysis and mathematical physics, in order to give the student a vision on how mathematics is developing and which are the newest problems that are being addressed.

Thesis Title: Projective geometry of convex sets and its application to the interpretation of probabilistic transformations. Advisors: Domenico Fiorenza, Santiago Mazuelas.

Degree's main topics:

Lie Algebras, PI Algebras and Representation Theory

Cryptography

Finite State Automaton, Graph Theory

Complex Geometry, Algebraic Geometry, Algebraic Topology

Functional Analysis, Distribution Theory

Advanced Logic

Hamiltonian mechanics

FEDERAZIONE NAZIONALE DEI CAVALIERI DEL LAVORO

Collegio Universitario Cavalieri del Lavoro "Lamaro Pozzani"

Rome, Italy

Sept. 2015 - July 2020

www.collegiocavalieri.it

Diploma of Business Fondamentals "Gaetano Marzotto", an introduction to the basics of Economics and Business Law. Final Mark: Very Good.

Collegio Universitario "Lamaro Pozzani" is a merit-only based college, acknowledged by MIUR (Italian Ministry for Research and University), which provides scholarships for the duration of the Bachelor's and Master's degree.

The students eligibility is checked at the end of every academic year.

Students must attend two main courses (Business Fundamentals and Global Studies), a four-years English course, participate in conferences and meetings with journalists, ambassadors, politicians and academic personalities.

Honours Programme in Mathematics

Rome, Italy

LA SAPIENZA UNIVERSITY OF ROME

Jan. 2017 - Jul. 2018

150 hours of supplementary lessons. Final Mark: Qualified

The Programme aims to enhance the training of deserving students interested in cultural integration and in-depth activities concerning issues not carried out during the courses. Students who have obtained all the credits of the reference course with an average of at least 28/30 can participate in the selection. Main topics:

Principles of Fractal Analysis

Principles of Cryptographic Algebra

Bachelor of Science in Mathematics (L-35)

Rome, Italy

La Sapienza University of Rome Sept. 2015 - Sept. 2018

180 university credits. Final Mark: 110/110 (Full marks)

The degree gives the first notions in all the areas of mathematics in order to steer the student into the future academic steps.

Thesis Title: Finite reflection groups and polynomial invariants. Advisor: Alberto De Sole

Degree's main topics: Algebra, Geometry, Analysis, Probability, Logic, Programming C/C++, Physics

Scientific High School Diploma

Rieti, Italy

Liceo Scientifico "Carlo Jucci" Sept. 2010 - June 2015

Final Mark: 100/100 con Lode (Full marks with Honours)

Skills____

Languages Italian (mother tongue), English (Independent User), Spanish (Basic User)

Programming C/C++, Matlab, LTFX

Good communication skills acquired during all my studies at Collegio "Lamaro Pozzani" and developed with some study trips

Communications abroad. Excellent interpersonal skills perfected during many meetings with political figures, Cavalieri del Lavoro of the Italian

Republic, journalists, diplomats, Italian and foreign ambassadors.

Leadership Coordination of Mensa Pellegrini Commission 2018/2020 of the Collegio "Lamaro Pozzani".

Job-related Excellent in team-working, working under pressure for long periods without negative effects on the performance, attitude to

problem solving.

Honours & Awards

to 2020	Scholarship, Collegio Universitario "Lamaro Pozzani", eligibility is checked every academic year	Rome, Italy
2020	Scholarship, Sorgente Group for studies abroad: 2580€	Rome, Italy
from 2017	Mention. Honours Programme in Mathematics, for deserving students only	Rome, Italy
to 2018		Korne, italy
from 2015	Tuition fees exemption, La Sapienza University of Rome, eligibility is checked every academic year	Rome, Italy
to 2017	Tailton rees exemption, La Sapienza oniversity of Nome, engionity is checked every academic year	
2015	Scolarship, MIUR scholarship to graduate students with honors: 450€	Rieti, Italy
2014	Journey, "Journey of Memory Auschwitz-Birkenau" full funded by Lazio Region of Italy	Krakow, Poland

Memberships _____

From 2018, Alumni Collegio Lamaro Pozzani	Rome, Italy
From 2016, Mensa Italia - The High I.Q. Society; card 4183 IT	Rome, Italy
2014/2015, National Register of Excellence	Rieti, Italy

Courses _____

Transfer of Mathematical Technologies for Innovation

Rome, Italy

July 2019 - Aug 2019

C.N.R. - Consiglio Nazionale delle Ricerche

www.sportellomatematico.it/SMII/

R.Y.L.A. - Rotary Youth Leadership Awards "Public Speaking"

Rieti, Italy

Nov 2013 - Dic 2013

ROTARY INTERNATIONAL www.rotary.org/it/our-programs/

rotary-youth-leadership-awards

Certifications

2010 **D.E.L.E.**, Nivel A2 – 10050238052010015 – Instituto Cervantes

Rome, Italy