

Samuele Pollaci

Graduate Student - University of Bonn

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Bonn, Germany



Formal Education/Degree

M.Sc. in Mathematics

Department of Mathematics - University of Bonn

October 2019 - Ongoing

Bonn, Germany

- Major area: Algebra, specializing in Algebraic Geometry.
- Secondary Subject: Computer Science, specializing in Machine Learning.

B.Sc. in Mathematics

Department of Mathematics (DIMA) - University of Genova (UNIGE)

September 2016 - September 2019

Genova, Italy

- Final grade: 110 cum laude
- Bachelor Thesis: "The structure theorem for finitely generated modules over a P.I.D. and its applications" (original title in Italian: "Il Teorema di struttura dei moduli finitamente generati su un P.I.D. e sue applicazioni").
- Advisor: Prof. Dr. Emanuela De Negri.

Erasmus+

Department of Mathematics - Stockholm University (SU)

January 2019 - June 2019

Stockholm, Sweden

Complementary Education

Elements of AI-Introduction to AI

University of Helsinki

March 2020

Remote

Online introductory course created by Reaktor and Helsinki University with the EU partnership.

Diploma in STSI (Science and Technologies for the Society of Information)

IANUA-ISSUGE - Scuola Superiore of the University of Genova

Sept 2017 - Jul 2019 (interrupted)

Genova, Italy

- Additional advanced courses offered by the University of Genova
- Completed exams: Nanotechnology and Nanomaterials, Space Exploration, Innovation Management, Economic Management and Business Plan, Decision Making, and Effective Communication.

Areas of Interest

- Algebraic Geometry;
- Differential Geometry;
- Artificial Intelligence;
- Machine Learning.

Programming

Python (and PyTorch) ●●●●●○

Julia ●●●●○

C++ ●●●●○

SageMath ●●●●○

Latex ●●●●●○

TensorFlow ●●●●○

MatLab ●●●●○

Magma ●●●●○

Singular ●●●●○

R ●●●●○

Languages

Italian ●●●●●

English ●●●●●

Spanish ●●●●○

German ●●●●○

Experiences

Graduate seminar on Dirac operators and spin geometry

[University of Bonn](#)

📅 January 2021

📍 Bonn, Germany

I gave a two-hours talk on Spin Structures and Spinor Bundles.

Graduate Seminar on Differential Forms and Characteristic Classes

[University of Bonn](#)

📅 May 2020

📍 Bonn, Germany

I gave a two-hours talk on Sphere Bundles.

Private Tutor

📅 September 2017 – December 2018 📍 Genova, Italy

Mathematics and Physics private tutor for high school students, and Mathematics private tutor for university students (mostly Calculus and Algebra).

Awards

Most outstanding first-year students in Mathematics

[DIMA-University of Genova](#)

📅 2017

📍 Genova, Italy

Albo Nazionale delle Eccellenze

[INDIRE and MIUR](#)

📅 2016

📍 Italy

National register of high-school graduates with 100 cum laude, certified by the National Institute for Documentation, Innovation and Educational Research (INDIRE), and the Minister of Education, Universities and Research (MIUR).

Organizations and Memberships

[ESN-Erasmus Student Network](#)

📅 Since 2019

[Mensa Italia-The High I.Q. Society](#)

📅 Since 2017

📍 Italy

[ISA-IANUA Students and Alumni](#)

📅 Since 2017

📍 Genova, Italy

Volunteering

Language Cafe Coordinator

[Språkstudion-Stockholm University](#)

📅 January 2019 – May 2019

📍 Stockholm, Sweden
