

# Davide Gori

## Curriculum Vitae

✉ [davide.gori@uniroma1.it](mailto:davide.gori@uniroma1.it)  
📁 [poisson.phc.dm.unipi.it/~goride/](https://poisson.phc.dm.unipi.it/~goride/)

### Research interests

Algebraic geometry, in particular: moduli spaces, algebraic stacks, algebraic groups, birational geometry.

### Education

- November 2021– **Ph.D. in Mathematics**, *Sapienza University of Rome*, Roma, Italy.  
Supervisor: Prof. Filippo Viviani.
- 2016 – 2021 **Student in Mathematics**, *Scuola Normale Superiore*, Pisa, Italy.
- October 2021 **Master's Degree (*Laurea Magistrale*) in Mathematics**, *University of Pisa*, Italy.  
Grade: 110/110 cum laude.  
Thesis title: The Moduli Space of Smooth Curves.  
Thesis supervisor: Prof. Mattia Talpo.
- July 2019 **Bachelor's Degree (*Laurea Triennale*) in Mathematics**, *University of Pisa*, Italy.  
Grade: 110/110 cum laude.  
Thesis title: De Rham Cohomology of Compact Lie Groups.  
Thesis supervisor: Prof. Andrea Maffei.
- 2011/12–2015/16 **High School Student**, *Scientific Lyceum "Guglielmo Marconi"*, Carrara (MS), Italy,  
High School Diploma, July 2016.

### Experience

#### Dissertations

- May 2020 **Seminar**, *Recent results regarding Bertini's theorem*, Pisa.  
Seminar based on article: The exceptional locus in the Bertini irreducibility theorem for a morphism (Bjorn Poonen, Kaloyan Slavov arXiv:2001.08672).  
Supervisor: Prof. Tamás Szamuely.

#### Student exchange programs

- September 2019 – **Erasmus+**, *Paris-Sud University (Paris XI)*, now replaced by the *University of Paris-Saclay*, France.
- January 2020 40,5 ECTS (Master M2: Arithmétique, Analyse, Géométrie).

#### Summer schools

- August 2018 **Summer school on geometry organized by the Utrecht Geometry Centre**, Utrecht, Netherlands.  
Aimed to cover a spectrum of modern geometry.

#### Part-time collaborations

July 2020 **Collaboration with Scuola Normale Superiore**, Pisa, Italy.  
Study of cybersecurity attacks, and related defense countermeasures (paid collaboration, 95 hours)

November 2018 **Collaboration with Scuola Normale Superiore**, Pisa, Italy.  
Creation of a Telegram bot for student use (paid collaboration, 50 hours)

### Stages

2012 – 2016 **Stages organized by UMI (Italian Mathematical Union)**, Pisa, Italy.  
Aimed to choose the Italian Team for international competition of mathematics.  
Detailed participations: Stage Senior (2012, 2013, 2014, 2015), Winter Camp (2014, 2015, 2016), Stage PreIMO (2014, 2015, 2016).

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### Languages

Italian Mother tongue

English C1

*Certificated by Scuola Normale Superiore*

French B1

*Certificated by Scuola Normale Superiore*

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### Computer skills

Octave Intermediate

C Intermediate

$\LaTeX$  Intermediate

Python Intermediate

SQL Basic

HTML Basic

Operating systems Linux, Windows

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### Selected Awards

2012 – 2016 **Italian Mathematical Olympiad (ITAMO)**.

Detailed participations:

- 2012: Bronze medal;
- 2013: Silver medal;
- 2014: Gold medal;
- 2015: Silver medal;
- 2016: Gold medal (third place).

2014 **Italian Mathematical Olympiad (ITAMO), team competition.**

Second place.

2016 **Mediterranean Youth Mathematical Championship**, Rome, Italy.

Third place.

2015 **Championnat International des Jeux Mathématiques et Logiques (CIJML)**, Paris, France.

2015 **Balkan Mathematical Olympiad (BMO)**, Athens, Greece.

Bronze medal.