

### Education

- 2024–2025 **Research and Teaching Assistant (ATER)**, *Université Paris-Saclay*, Institut de Mathématiques d'Orsay  
Teaching various exercise sessions to undergraduate students.
- 2021–present **PhD student in Mathematics**, *Université Paris-Saclay*, Institut de Mathématiques d'Orsay  
Subject: D-Modules in Derived Algebraic Geometry. Advisors: Benjamin Hennion and Emanuele Macrì.
- 2020–2021 **Second year master student in Mathematics**, *Université Paris-Saclay*, M2 Arithmétique, Analyse, Géométrie  
GPA: 18.675/20. Mention: *Très Bien* (maximum honours).
- 2019–2020 **First year master student in Mathematics**, *Università degli Studi di Padova*  
GPA: 30/30.
- 2016–2019 **Bachelor in Mathematics**, *Università degli Studi di Padova*  
GPA: 29.965/30. Mention: *110/110 cum laude* (maximum honours).

### Papers in preparation

- Almost ready **On derived D-modules**, Find [here](#) the updated version.

### Co-organized Conferences

- May 2022 **GAeL XXIX**, Orsay, France

### Selected Talks

- August 2024 **Derived D-Modules**, *Poster session in Young Topologists Meeting, 2024*
- April 2024 **Grothendieck construction and quotient stacks**, in *GIT reading group*
- June 2023 **Factorization homology and chiral Koszul duality**, in *online factorisation seminar*
- Oct 2022 **Introduction to Derived Algebraic Geometry**, in *Donaldson-Thomas invariants in Aussois*
- Jan 2022 **Introduction to Poisson Geometry**, in *Symplectic Duality reading group*

### Attended Conferences

- August 2024 **Young Topologists Meeting**, *University of Münster, Germany*
- May 2024 **Higher Algebra, Geometry, and Topology**, *CIRM Marseille, France*
- October 2023 **Categories and stacks in algebraic geometry and algebraic topology CATS 7**, *CIRM Marseille, France*
- July 2023 **Young Topologists Meeting 2023**, *EPFL Lausanne, Switzerland*
- Apr-July 2023 **Higher Structures in Geometry and Mathematical Physics**, *IHP Paris, France*
- Oct 2022 **Donaldson-Thomas invariants in Aussois**, *Aussois, France*
- June 2022 **CATS-60 Conférence A Toulouse pour Simpson**, *IMT Toulouse, France*
- June 2022 **Workshop on Derived Geometry**, *CRM Barcelona, Spain*
- May 2022 **Spring School on Field Theories and Algebraic Topology**, *Driebergen, Netherlands*
- March 2022 **Nouveau séminaire ALPE**, *IMAG Montpellier, France*
- Sept 2021 **Summer School - Irregular Riemann-Hilbert Correspondence**, *Aussois, France*

### Teaching experience

- Fall 2024 **Analyse 2 (L2)**, *Université Paris-Saclay*, exercise sessions
- Fall 2024 **Algèbre linéaire (L1 et L3)**, *Université Paris-Saclay*, exercise sessions
- Fall 2022 **Structures Algébriques (L2)**, *Université Paris-Saclay*, exercise sessions
- Fall 2022 **Calculus (L1)**, *Université Paris-Saclay*, exercise sessions
- Spring 2022 **Maths 3 - Analyse 1 (L1)**, *Université Paris-Saclay*, exercise sessions
- Spring 2022 **Analyse et Géométrie (L2)**, *Université Paris-Saclay*, exercise sessions

### Work experience

- July 2015 **Computer Programmer**, IBM, Hursley, UK

## Responsabilities

2021–2022 Representative for PhD students at the Doctoral School of Mathematics Hadamard, and at Orsay Maths Department.

## Awards

2016–2022 School of Honors Scholarship by Scuola Galileiana di Studi Superiori, Padova.

2020 Scholarship Sophie Germain by Fondation Mathématique Jacques Hadamard.

2013–2015 Italian Olympiad in Informatics (1 bronze and 2 gold medals).

2015 Italian Mathematical Olympiads, silver medal.

2014 Prize for the study of Maths and Computer Science, Banca d'Italia.

## Computer skills

Intermediate Java, git, OpenOffice, Windows

Advanced C++, Python,  $\LaTeX$ , Linux

## Languages

Italian Native speaker

English Advanced, IELTS Academic Band 8.0

French Advanced

Spanish Basic

*Conversationally fluent*

*Conversationally fluent*