

Education

- 2024–2025 **Research and Teaching Assistant (ATER)**, *Université Paris-Saclay*, Institut de Mathématiques d'Orsay
Teaching various exercise sessions to undergraduate students and working on my PhD thesis.
- 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

- September 2025 **On derived D-modules**, *Available upon request. It will be posted on the arXiv after my PhD defense.*

Co-organized Conferences

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

Research Talks

- March 2025 **D-Modules in Derived Algebraic Geometry**, *Invited speaker in Séminaire d'Homotopie et Géométrie Algébrique of Université de Toulouse*
- August 2024 **Derived D-Modules**, *Poster session in Young Topologists Meeting, 2024*

Working group Talks

- 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

- Spring 2025 **Algèbre linéaire (L2)**, *Université Paris-Saclay*, exercise sessions
- 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

Responsibilities

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