

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.
- 2021–2025 **Ph.D. in Mathematics**, *Université Paris-Saclay*, Institut de Mathématiques d'Orsay
Thesis title: On derived D-modules and their several definitions.
Advisors: Benjamin Hennion and Emanuele Macrì.
Date of defence: the 10th of October, 2025.
arXiv link: [here](#).
- 2020–2021 **M.Sc. in Mathematics**, *Université Paris-Saclay*, M2 Arithmétique, Analyse, Géométrie
GPA: 18.675/20.
Mention: *Très Bien* (maximum honours).
- 2019–2020 **M.Sc. in Mathematics**, *Università degli Studi di Padova*
GPA: 30/30.
- 2016–2019 **B.Sc. in Mathematics**, *Università degli Studi di Padova*
GPA: 29.965/30.
Mention: *110/110 cum laude* (maximum honours).

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*

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

Conversationally fluent

French Advanced

Conversationally fluent

Spanish Basic