

Victor ALFIERI

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Education and Employment

University of Toulouse (2022 – 2027)

Institut de Mathématiques de Toulouse

Fixed-term Teaching and Research Fellow (ATER)

Toulouse

2026–2027

Institut de Mathématiques de Toulouse

Thesis : Shifted Symplectic Structures on Derived Foliations, defended and approved

Advisors: Bertrand Toën and Marco Robalo

Toulouse

2022–2026

École Normale Supérieure Paris-Saclay (2018 – 2022)

IRMA, Strasbourg University

Full year research internship before PhD: Shifted symplectic structures on derived critical loci

Strasbourg

2021–2022

Paris-VI / Paris-VII / Paris-XIII

Master's degree in Pure Mathematics at IMJ-PRG

Paris

2020–2021

ENS Paris

First year of Master's degree in Pure Mathematics

Paris

2019–2020

ENS Paris-Saclay

Dual Bachelor's degree in Mathematics and Computer Science

Cachan

2018–2019

Research Internships

Full year research internship before PhD (2021 – 2022)

Title: *Shifted symplectic structures on derived critical loci*

Description: Shifted symplectic structures on the derived critical locus of $f \in \mathcal{O}_{X[n]}$, link with foliations

Advisor and institution: Mauro Porta, University of Strasbourg, Strasbourg, France

Master's Thesis (2021)

Title: *Torsor structure on derived critical loci*

Description: Computation of the structure of $T^*X[n-1]$ -torsor on the derived critical locus of $f \in \mathcal{O}_{X[n]}$

Advisor and institution: Marco Robalo, IMJ-PRG, Paris, France

Research internship in Bachelor's degree (2019)

Topic: *Non-abelian cohomology in Homotopy Type Theory*

Description: Definition of the first non-abelian cohomology group (torsor group) in Homotopy Type Theory, using the proof assistant Cubical Agda

Advisor and institution: Thierry Coquand, Chalmers University of Technology, Gothenburg, Sweden

Teaching Experience

Graduate Teaching Assistant

Tutorials taught: Introductory exercises on logic, set theory, discrete mathematics, probability theory, and arithmetics for Bachelor students

Number of hours in total: 288

Oral examiner in French preparatory classes for Grandes Écoles

Topics examined: Every topic of the first and second years of a Bachelor's degree

Number of hours in total: 120

Other skills

Spoken languages: French, English (level C1, Cambridge Advanced), Italian (B2), Portuguese (B1)