

## Personal Information

Citizenship French

Birth May 6, 2001 (Ivry-sur-Seine, France)

## Education

- 2025– **PhD**, *Université Paris-Saclay & École Normale Supérieure*, Orsay & Paris, Advisors: Jean-Benoît Bost and François Charles  
*Arakelov geometry and formal analytic arithmetic surfaces*
- 2024–2025 **Master 2 Analysis, Arithmetic, and Geometry**, *Université Paris-Saclay*, Orsay  
Highest honors (*Très Bien*). Sophie Germain Scholarship (Fondation Mathématique Jacques Hadamard)
- 2023–2024 **Master 1 Jacques Hadamard track**, *Université Paris-Saclay*, Orsay  
Mentored by Vincent Pilloni. Highest honors (*Très Bien*). Sophie Germain Scholarship (FMJH)
- 2022–2023 **Licence 3 Magistère**, *Université Paris-Saclay*, Orsay  
Highest honors (*Très Bien*)
- 2021–2022 **Classes Préparatoires (MP\*)**, *Lycée Louis-le-Grand*, Paris
- 2019–2021 **Classes Préparatoires (MPSI/MP)**, *Lycée Paul Valéry*, Paris
- 2019 **Baccalauréat (Scientific track)**, *Lycée Romain Rolland*, Ivry-sur-Seine

## Research Internships

- 2025 **Master 2**, *Université Paris-Saclay*, Orsay, Supervisor: Jean-Benoît Bost  
*Geometry of algebraic and arithmetic surfaces*
- 2024 **Master 1**, *Universidad de Santiago de Chile*, Santiago, Supervisor: Daniel Barrera  
*Explicit class field theory for real quadratic fields*
- 2023 **Undergraduate Thesis**, *Université Paris-Saclay*, Orsay, Supervisor: David Harari  
*The Noether problem*

## Fundings and Scholarships

- 2025–2028 Doctoral funding (EDMH)
- 2023–2025 Sophie Germain Scholarship, Fondation Mathématique Jacques Hadamard (FMJH)
- 2024 International research internship grant (IDEX)

## Teaching Experience

- Fall 2025 Teaching Assistant (TD), L1 Algebra and Geometry (24 hours)
- Fall 2025 Teaching Assistant (TD), L1 Analysis (24 hours)
- Winter 2026 Teaching Assistant (TD), L2 Analysis and Geometry (24 hours)

## Talks

- April 2026 *Finiteness of models and conclusion*, BCHM reading group, Orsay
- March 2026 *The contour for the irrationality of  $L(2, \chi_{-3})$* , Arbeitsgemeinschaft: Arithmetic Holonomy Bounds and Applications to Irrationality, Mathematisches Forschungsinstitut Oberwolfach
- January 2026 *Nakayama–Zariski decomposition*, BCHM reading group, Orsay
- July 2024 *Birationality of varieties invariant under a subgroup of  $GL_n(K)$* , Graduate Student Seminar, Santiago
- June 2024 *Modular symbols and parabolic cohomology*, Explicit Class Field Theory Seminar, Santiago

## Conferences

- June 15–19, 2026 *Jeunes en Arithmétique et Variétés Algébriques 2026: Hodge conjecture for abelian fourfolds*, Maison Clément
- May 18–22, 2026 *Diophantine geometry over global fields*, Ecole Polytechnique (ANR AdAnAr)
- March 29–April 3, 2026 *Arbeitsgemeinschaft: Arithmetic Holonomy Bounds and Applications to Irrationality*, Mathematisches Forschungsinstitut Oberwolfach
- September 8–12, 2025 *Arithmetic and Diophantine Geometry via Ergodic Theory and o-minimality*, conference for the 60th birthday of Emmanuel Ullmo, IHÉS
- May 26–31, 2025 *Singularities in Algebraic Geometry*, Rennes
- May 19–23, 2025 *Arakelov Geometry and Condensed Mathematics*, Strasbourg
- April 9–11, 2025 *Stein Geometries*, Jussieu (ANR Cyclades)
- March 27–28, 2025 *Arakelov Geometry and Condensed Mathematics*, Orsay
- July 22–26, 2024 CLA 2024 — XXIV Coloquio Latinoamericano de Álgebra, Santiago
- August 18–28, 2023 Summer School: *Festum  $\pi$* , Samos (Université Paris-Saclay and University of the Aegean)

## Other Activities

- 2024–2026 Tutor for international students (Vietnam, Gabon, India), FMJH scholarship holders
- 2023–2024 Oral examiner, Lycée Paul Valéry, Paris
- June 2023 Moderator for a summer school organized by the Fondation Mathématique Jacques Hadamard for high-school students