

## Education

- 2019–2020 **Master degree : Mathematics**, *Université de Strasbourg*
- 2018–2019 **Agrégation externe de Mathématiques**, ENS Rennes, Rank 42  
Option D : Computer Science
- 2016–2020 **Magistère diploma**, *ENS Rennes*
- 2016–2018 **Bachelor degree : Computer science**, *Université Rennes 1*
- 2016–2017 **Bachelor degree : Mathematics**, *Université Rennes 1*
- 2014–2016 **MPSI/MP\***, *La Martinière Monplaisir*, Lyon
- 2011–2014 **Baccalauréat**, *Lycée Saint-Marc*, Nivollas-Vermelle

## Teaching

- 2023–2024 **Mathematics for bachelor students**, *Université de Strasbourg*
- 2021–2024 **Algorithmic and data structures**, *Université de Strasbourg*
- 2021–2024 **Arithmetic and cryptography**, *Université de Strasbourg*
- 2020–2021, 2023–2024 **Mathematics for biology students**, *Université de Strasbourg*

## Research

- 2024–present **Postdoctoral Fellow**, *Max Planck Institute for Mathematics in the Sciences*, Leipzig
- 2023–2024 **ATER**, *Université de Strasbourg*
- 2020–2023 **PhD thesis : Partial abelianization of  $GL_n$ -local systems and non-commutative  $\mathcal{A}$ -coordinates**, Supervisor : O. Guichard, Strasbourg
- 2020 **Master thesis : Non-commutative cluster algebras**, Supervisor : O. Guichard, Strasbourg
- 2018 **Master thesis : Study of Siegel compacts**, Supervisor : J. Raissy, Toulouse
- 2017 **Bachelor thesis : Conjugacy classes in  $SL_2(\mathbb{Z})$  in geometry and algebra**, Supervisor : F. Dahmani, Grenoble

## Publications and preprints

- 2024 **Spectral Networks : Bridging higher-rank Teichmüller theory and BPS states**, with G. KYDONAKIS, E. ROGOZINNIKOV, V. TATITSCHIEFF, A. THOMAS  
Monograph, first version on arXiv :2412.03588

- 2024 **Connected components of the space of triples of transverse partial flags in  $SO_0(p, q)$  and Anosov representations**, with R. TROUBAT  
Preprint on arXiv :2411.08679
- 2023 **On partial abelianization of framed local systems**, with E. ROGOZINNIKOV  
Math. Ann. (2025). <https://doi.org/10.1007/s00208-025-03093-x>

## Workshops and other scientific events

- 2025 **Invited talk**, *Korean Institute for Advance Studies*, Seoul  
Speaker
- 2025 **Mini-course**, *Seoul National University*  
Speaker
- 2024 **Working group : Quasiconformal maps**, *Max Planck Institute for Mathematics in the Sciences*  
Speaker
- 2024 **Working group : Dimers**, *Max Planck Institute for Mathematics in the Sciences*  
Speaker
- 2024 **APEX Math**, *University of Reșița*  
Excellence math camp for high school students
- 2024 **Invited talk**, *Institut Camille Jordan*, Lyon  
Speaker
- 2024 **Working group : Higgs Bundles**, *Université de Strasbourg*  
Speaker
- 2023 **Parole aux jeunes chercheuses et chercheurs du réseau Platon**, *Institut Fourier*  
Speaker
- 2023 **Invited talk**, *Université de Marseille*  
Speaker
- 2023 **Rendez-vous des Jeunes Mathématiciennes et Informatiennes 2023**, *Université de Strasbourg*  
Initiation to research for high school girl students
- 2023 **Working group : Narasimhan-Seshadri theorem**, *Université de Strasbourg*  
Speaker
- 2022 **Invited talk**, *Université de Rennes*  
Speaker
- 2022 **Working group : Characteristic classes**, *Université de Strasbourg*  
Speaker
- 2022 **PhD seminar**, *Université de Strasbourg*  
Speaker
- 2022 **Invited talk**, *University of Heidelberg*  
Speaker

- 2022  **$\Theta$ -positivity workshop**, Heidelberg  
Speaker, Proceedings on arXiv :2212.04339
- 2022 **RJMI**, *Université de Strasbourg*  
Initiation to research for high school students
- 2021 **PhD seminar**, *Université de Strasbourg*  
Speaker
- 2021 **Working group : Mostow rigidity theorem**, *Université de Strasbourg*  
Speaker
- 2021 **Working group : K-theory**, *Université de Strasbourg*  
Speaker
- 2020 **PhD seminar**, *Université de Strasbourg*  
Speaker
- 2020 **Working group : Hodge theory**, *Université de Strasbourg*  
Speaker

## Organization

- 2024–2025 **Geometry seminar**, *Max Planck Institute for Mathematics in the Sciences*, Leipzig  
Co-organizer
- 2024 **Working group : Higgs Bundles**, *Université de Strasbourg*  
Co-organizer
- 2022 **Working group : Characteristic classes**, *Université de Strasbourg*  
Co-organizer
- 2021–2022 **PhD seminar**, *Université de Strasbourg*  
Organizer
- 2021 **Working group : K-theory**, *Université de Strasbourg*  
Organizer

## Computer science

Learned Python, Java, OCaml,  $\text{\LaTeX}$  languages

## Miscellaneous

Climbing, Cinema, Hiking, Cooking