

Brian Flanagan

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EDUCATION

- IMJ-PRG, Université Paris Cité (ED 386)** France, Paris, 75013
PhD student in mathematics supervised by Loïc Merel. 2024 –now
- École Normale Supérieure Rennes** France, Bruz, 35170
Magistère de Mathématiques. 2020–2024
- 2023-2024 : Master M2 in fundamental mathematics at Université Paris Cité.
Courses : Adèles and abelian L-functions, Algebraic varieties, Riemann surfaces, Introduction to modular forms, Introduction the arithmetic of elliptic curves, Rankin-Selberg L-functions
 - 2023 : Reçu à l'agrégation de mathématiques 2023, option C, rank 5th.
 - 2022 : Master M1 mathematics and applications (fundamental mathematics).
 - 2021 : Last year of Bachelor degree in mathematics (mathematics for research).
 - 2022 : Last year of Bachelor degree in computer science.
- Lycée Saint-Louis** France, Paris, 75006
CPGE 2017–2020
- Intensive university-level preparation in maths, computer science and physics for competitive nationwide exams.
 - Admitted at ENS Rennes.

MISCELLANEOUS PROJECTS

- Institut de Mathématiques de Jussieu-Paris Rive Gauche** France, Paris, 75013
Research intenship supervised by Loïc Merel. March –June 2024
- Central values of triple product L-functions.
- Université Claude Bernard Lyon 1** France, Villeurbanne, 69622
Research intenship supervised by Boris Admaczewski. May –July 2022
- Automaticity and algebraicity of formal power series : Skolem-Mahler-Lech in positive characteristic.
- Institut de Mathématiques de Jussieu-Paris Rive Gauche** France, Paris, 75013
Stage de L3 mathématiques sous la direction de Baptiste Rognerud. Mai 2021
- Quiver representations : Computations of indecomposable representations using Gabriels's theorem.

TEACHING

- Université Paris Cité (Teaching assistant)** France, Paris, 75013
Raisonnements mathématiques 2 (L1 MFA, S2), Algorithmes et programmes (L2 MIASHS, S3) 2024 –now
- Lycée Saint-Louis (CPGE)** France, Paris, 75006
Oral exams, MPSI 2023-2024

POPULARIZATION OF MATHEMATICS

Science festival of Université Paris Cité

France, Paris, 75013

Popularization of maths in a primary school and presentation of mathematical games to highschoolers.

October 2024

TFJM² de Rennes

France, Bruz, 35170

Tournoi français des jeunes mathématiciens et mathématiciennes with the Animaths association.

2021–2023

- 2021 : Involvement in the jury and giving a math talk to highschoolers.
- 2022 : Co-organisation of the event and giving a math talk to highschoolers.
- 2021 : Involvement in the jury.

RJMI de Rennes

Bruz, 35170

Rendez-vous des Jeunes Mathématiciennes et Informaticiennes with the Animaths association.

2020 and 2022

- Helping the organisation of the event and supervising of a reserach workshop for highschoolers.

PROGRAMMATION SKILLS

- **Mathematical tools :** \LaTeX , SageMath
- **Programmation :** Python, C, JavaScript, OCaml

LANGUAGES

- French (native)
- English (fluent)
- German (B1)