Sacha Quayle

Email address : firstname[dot]lastname[at]sorbonne-universite[dot]fr



Education

PhD thesis, LPSM (2024-2027) — Sorbonne University, Paris
Non-linear Hawkes Processes and Applications in Neuroscience.
Supervised by Anna Bonnet and Maxime Sangnier.

Sorbonne University (2023-2024) — Paris
Master's (M2) in Probability and Random Models (PMA).

École normale supérieure of Rennes (2020-2023) — Bruz
- *Agrégation externe* of Mathematics (2023), option A, rank 37/345.
- Master's (M2) in Mathematics for Teaching (2022-2023).
- Master's (M1) in Fundamental Mathematics (2021-2022).
- Bachelor's (L3) in Mathematics (2020-2021).

CPGE, Lycée Malherbe (2017-2020) — Caen
Preparatory Classes, Mathematics and Physics (MP).

Teaching

Teaching Assistant at Sorbonne University (2024-2026) — Paris
- Statistics (L3 Mathematics).
- Time Series (M1 ISUP).

Oral examinations in CPGE
- Lycée Henri IV, Paris (2023-2024), MPSI 1, 2h/week.
- Lycée Malherbe, Caen (2020-2021), MP*, 1h/week.

Internships

Master's (M2) (2024), LPSM — Paris
Hawkes processes with Variable Memory, supervised by Anna Bonnet and Maxime Sangnier.

Master's (M1) (2022), IMT — Toulouse
Discrete-time Hawkes processes, supervised by Laure Coutin.

Bachelor's (L3) (2021), IMB — Bordeaux
Flocking phenomenon in Cucker-Smale models, supervised by Philippe Thieullen.