

Curriculum Vitae of Guillaume Remy

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Born on November 17th 1992 in Paris.
Dual citizenship: French and American.

Employment

Quantitative researcher at Cubist Systematic Strategies.	01/2024 – Present
Member in mathematics at the Institute for Advanced Study (Princeton).	09/2022 – 08/2023
Postdoctoral research scientist in the mathematics department at Columbia University. <i>Funded by a three-year NSF postdoctoral research fellowship.</i>	09/2018 – 08/2022

Education

PhD in mathematics at École Normale Supérieure in Paris.	09/2015 – 08/2018
École Normale Supérieure in Paris: Last two years of undergrad + graduate program. <i>Admitted 20th (nationwide exam) through the Math – Physics entrance exam.</i>	09/2011 – 08/2015
Lycée Louis-Le-Grand in Paris: First two years of undergrad.	09/2009 – 08/2011

Internships and additional applied experience

Worked for three months for the crypto startup Axiom (https://www.axiom.xyz). <ul style="list-style-type: none">Involved implementing linear algebra for data analysis in zero-knowledge proofs using Rust.	08/2023 – 10/2023
Worked for six months in biological modeling at Harvard University in the lab of P. Cluzel. <ul style="list-style-type: none">Involved data analysis and statistical modeling using Matlab, published a paper in <i>Physical Biology</i>.	02/2013 – 07/2013

Academic research and teaching

Conducted research in probability / mathematical physics on random surfaces and conformal field theory.

- 11 publications, all available at <https://guillaumeremy92.github.io/>
- Two papers published in the Duke Math Journal (top 5 math journal) and one in JEMS (top 8 journal).
- One paper in Annals of Proba. (top probability journal), two in CMP (top mathematical physics journal).
- Instructor of calculus and probability/statistics at both Columbia and École Normale Supérieure.
- Has given over 40 talks at research seminars.

Programming skills and experience

- Two years of coding experience in Python at Cubist Systematic Strategies.
- Complementary coding experience: Rust, Matlab.
- Proficiency in data analysis using Pandas/Polars and the ML libraries Scikit-Learn/PyTorch.
- Personal coding projects available at <https://github.com/GuillaumeRemy92>.

Languages: French (mother language) – English (fluent).

Sports: Tennis, Running.