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. *Funded by a three-year NSF postdoctoral research fellowship.*	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. *Admitted 20th (nationwide exam) through the Math – Physics entrance exam.*	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).   08/2023 – 10/2023
  • Involved implementing linear algebra for data analysis in zero-knowledge proofs using Rust.

Worked for six months in biological modeling at Harvard University in the lab of P. Cluzel.   02/2013 – 07/2013
  • Involved data analysis and statistical modeling using Matlab, published a paper in *Physical Biology*.

Academic research and teaching
Conducted research in probability / mathematical physics on random surfaces and conformal field theory.
  • 11 publications, all available at **http://www.math.columbia.edu/~remy**.
  • 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.