

# Curriculum Vitae of Guillaume Remy

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Born on November 17<sup>th</sup> 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 20<sup>th</sup> (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 ( <a href="https://www.axiom.xyz">https://www.axiom.xyz</a> ). <ul style="list-style-type: none"><li>Involved implementing linear algebra for data analysis in zero-knowledge proofs using Rust.</li></ul>	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"><li>Involved data analysis and statistical modeling using Matlab, published a paper in <i>Physical Biology</i>.</li></ul>	02/2013 – 07/2013

## Academic research and teaching

Conducted research in probability / mathematical physics on random surfaces and conformal field theory. <ul style="list-style-type: none"><li>11 publications, all available at <a href="http://www.math.columbia.edu/~remy">http://www.math.columbia.edu/~remy</a>.</li><li>Two papers published in the Duke Math Journal (top 5 math journal) and one in JEMS (top 8 journal).</li><li>One paper in Annals of Proba. (top probability journal), two in CMP (top mathematical physics journal).</li><li>Instructor of calculus and probability/statistics at both Columbia and École Normale Supérieure.</li><li>Has given over 40 talks at research seminars.</li></ul>	
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## Programming skills and experience

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

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

**Sports:** Tennis, Running.