



# Thibault Poiret

## Curriculum Vitae

Born on 04/12/1993.

### Jobs

- 2022 **Postdoctoral fellow**, *University of Cambridge*.
- 2020-2021 **Lecturer**, *Universiteit Leiden*.

### Formation

- 2016-2020 **PhD in mathematics**, *Institut mathématique de Bordeaux, universiteit Leiden*, supervised by Qing Liu and Bas Edixhoven.
- 2015-2016 **Master's degree in mathematics**, *ENS Rennes, université de Rennes 1*.
- 2015 **Agrégation of mathematics, computer science option**.
- 2014-2015 **Preparation for Agrégation**, *ENS Rennes, université de Rennes 1*.
- 2013-2014 **Bachelor's degree in computer science**, *ENS Rennes, université de Rennes 1*.
- 2012-2013 **Bachelor's degree in mathematics**, *ENS Rennes, université de Rennes 1*.
- 2012 **Admission at Ecole Normale Supérieure de Rennes**.
- 2010-2012 **Preparatory classes**, *Lycée Condorcet, Paris, France*.
- 2010 **Scientific high school diploma**, *Lycée Evariste Galois, Sartrouville, France*.

### Publications

#### Published

- Néron models of Jacobians over bases of arbitrary dimension. epiga :7340 - Épijournal de Géométrie Algébrique, September 21, 2022, Volume 6 - <https://epiga.episciences.org/10068>

#### Submitted

- Models of Jacobians of curves, with David Holmes, Samouil Molcho and Giulio Orecchia. In revision after first report from Crelle. <https://arxiv.org/pdf/2007.10792.pdf>.

### PhD thesis

- Néron models in high dimension : Nodal curves, Jacobians and tame base change  
<https://openaccess.leidenuniv.nl/handle/1887/137218>

### In preparation

- Explicit integral saturation and extended tropicalization, with Dhruv Ranganathan (provisional title)
- Néron models of curves over locally factorial schemes
- Log line bundles and tautological maps of curves

### Vague projects

- Extending torsors on the moduli space of curves, with Sara Mehidi
- The logarithmic structure sheaf, with Patrick Kennedy-Hunt

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## Teaching

- 2016-2017 **Coloration mathématique**, *Université de Bordeaux*.  
Master class and exercise sessions, first year of Bachelor's
- 2017 **Algebraic structures**, *Université de Bordeaux*.  
Exercise sessions, second year of Bachelor's
- 2018-2019 **Algebraic geometry 2**, *Universiteit Leiden*.  
Grading and office hours, second year of Master's
- 2020 **Analytic number theory**, *Universiteit Leiden*.  
Exercise sessions and grading, second year of Master's
- 2022 **Semistable reduction theorems**, *University of Cambridge*.  
Essay set for the Part III Master students

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## Miscellaneous

In 2023 I will be co-organising a lecture group on logarithmic abelian varieties at the university of Cambridge. Below is a non-exhaustive list of topics I have talked about at conferences or seminars.

**Introduction to elliptic curves.**

**Introduction to toric varieties.**

**Deformations of Galois representations.**

**Néron models of curves over Dedekind schemes.**

**The tropical Picard group and the tropical Jacobian.**

**Néron models of nodal curves and their Jacobians.**

**The log Picard group as a Néron model.**

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## Practical skills

### Tongues spoken

French Mother tongue  
English Fluent

Dutch Notions

[Software tools mastered](#)

$\LaTeX$  Daily usage

Python Intermediate

Caml Intermediate

Maple Notions

Scilab Notions

Sage Notions

Ruby Notions