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# Jianyu MA

## Education

**PhD**, Analysis, Institut de Mathématiques de Toulouse, — **2021–2024**  
Supervised by Jérôme Bertrand, funded by LabEx CIMI

**Master 2**, Mathematics, Université Paul Sabatier, **14.88/20** **2020–2021**  
Research & Invocation, funded by LabEx CIMI

**Master 1**, Mathematics, Université Paul Sabatier, **18.85/20** **2019–2020**  
ESR, exchange student, funded by China Scholarship Council

**Bachelor**, Mathematics, Wuhan University, **3.93/4.0** **2016–2020**  
First year in computer science, later transferred to mathematics

## Researches

### Article

**Thesis** in preparation: Regularity and CLT of Wasserstein barycenters

**Preprint** [arXiv](#): Absolute continuity of Wasserstein barycenters over manifolds with lower Ricci curvature bound

### Memoir

**Master 2 report**: Existence and uniqueness of barycenter in metric space

**Master 1 report**: Stochastic calculus applications in quantum mechanics

## Academic talks

14 Mar. 2024: [Séminaire Images Optimisation et Probabilités](#), Université de Bordeaux

05 Feb. 2024: [GT CalVa](#), Université Paris-Cité (campus Grands Moulins)

### Passed

26 Jun. 2023: [Séminaire d'Analyse](#), Institut de Mathématiques de Toulouse

25 May. 2023: [Séminaire des doctorants](#), Institut de Mathématiques de Toulouse

## Skills

**French**: Medium

**English**: Fluent

**Chinese**: Native

## Programming

○ [Self-designed homepage](#)

○ [ChromeXt](#)

Proficient: JavaScript, Kotlin, Mathematica, Python

## Interest

○ Table tennis & Tennis

○ Philosophy

○ Classical music

○ Poetry