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Jianyu MA

Education

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

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

Projects

Research Interest:

- Differential Geometry
- Optimal Transport
- Probability Theory

Working thesis: Convergence of Wasserstein barycenters and Central Limit Theorems

Working preprint: Absolutely continuity of Wasserstein barycenters over manifolds with lower Ricci curvature bound

Master 2 draft: Existence and uniqueness of barycenter in metric space

Master 1 report: Stochastic calculus applications in quantum mechanics

Conferences

Sept. 2021: [GDR AFHP 2021](#), Laboratoire de mathématiques de Besançon

Jan. 2020: [Master Classes en probabilités](#), Université de Strasbourg

Interest & Skill

- Philosophy
- Classical music
- Table tennis
- E-books collecting

Web development: [Self-designed homepage](#)

French: Medium **English:** Fluent

Chinese: Native