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Jianyu MA

Education

ATER , OPTIM, École Nationale de l'Aviation Civile, Thesis delayed for an extra year to defense	—	2024–2025
PhD , Analysis, Institut de Mathématiques de Toulouse, Supervised by Jérôme Bertrand, funded by LabEx CIMI	—	2021–2025
Master 2 , Mathematics, Université Paul Sabatier, Research & Invocation, funded by LabEx CIMI	14.88/20	2020–2021
Master 1 , Mathematics, Université Paul Sabatier, ESR, exchange student, funded by China Scholarship Council	18.85/20	2019–2020
Bachelor , Mathematics, Wuhan University, First year in computer science, later transferred to mathematics	3.93/4.0	2016–2020

Researches

Article

Thesis in preparation: Regularity 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

Passed

- 04 Nov. 2024: [Young Mathematicians in Geometry and Analysis](#), Mulhouse
- 21 May. 2024: [Séminaire PAS](#), Laboratoire de Mathématiques Blaise Pascal
- 14 Mar. 2024: [Séminaire Images Optimisation et Probabilités](#), Université de Bordeaux
- 05 Feb. 2024: [GT CalVa](#), Université Paris-Cité (campus Grands Moulins)
- 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

- [JingMatrix/LSPosed](#)
- [Self-designed homepage](#)

- [NeoZygisk](#)
- [ChromeXt](#)

Proficient: JavaScript, Kotlin, Mathematica, Python

Interest

- Table tennis & Tennis
- Classical music

- Philosophy
- Poetry