

Yifan Jiang

yifan.jiang@maths.ox.ac.uk • +44 1865 615303 • <https://yifanjiang233.github.io>

EDUCATION	University of Oxford, Oxford, United Kingdom	Sep 2021 – Present
	<ul style="list-style-type: none">▪ DPhil student in Mathematics of Random Systems▪ Under the supervision of Prof. Jan Obłój and Prof. Gui-Qiang Chen	
	Fudan University, Shanghai, China	Sep 2016 – Jul 2020
	<ul style="list-style-type: none">▪ BSc in Mathematics and Applied Mathematics	
	The University of Texas at Austin, Austin, United States of America	Aug 2018 – Dec 2018
	<ul style="list-style-type: none">▪ Study abroad in Mathematics	
RESEARCH INTERESTS	<ul style="list-style-type: none">▪ Stochastic control, optimal transport, mathematical finance▪ Fluid dynamics, scalar conservation laws, mean-field systems▪ Chaos, entropy, ergodicity	
PUBLICATIONS	<p>[1] Convergence of the Deep BSDE method for FBSDEs with non-Lipschitz coefficients with J. Li, <i>Probability, Uncertainty and Quantitative Risk</i>, 2021, vol. 6(4), 391-408.</p> <p>[2] Existence and distributional chaos of points that are recurrent but not Banach recurrent with X. Tian, <i>Journal of Dynamics and Differential Equations</i>, 2022.</p>	
PREPRINTS	<p>[3] Empirical approximation to invariant measures for McKean–Vlasov processes: mean-field interaction vs self-interaction with K. Du and J. Li, accepted by <i>Bernoulli</i>, 2022.</p> <p>[4] Sequential propagation of chaos with K. Du and X. Li, 2023.</p>	
AWARDS & HONORS	<ul style="list-style-type: none">▪ Oxford-Radcliffe Graduate Scholarship (4-year full scholarship)▪ Putnam Mathematical Competition top 3%▪ Samsung Scholarship at Fudan University (the first prize)	<p>May 2021</p> <p>Dec 2018</p> <p>Oct 2017</p>
RESEARCH EXPERIENCE	Research Assistant , Fudan University	Aug 2020 – Aug 2021
	<ul style="list-style-type: none">▪ Under the supervision of Prof. Shanjian Tang and Dr. Kai Du▪ Stochastic control, forward-backward SDEs, neural networks	
	Undergraduate Researcher , Fudan University	Mar 2019 – Mar 2020
	<ul style="list-style-type: none">▪ Under the supervision of Prof. Xueting Tian▪ Topological dynamical systems, chaos, ergodic measures	
TEACHING EXPERIENCE	Teaching Assistant , University of Oxford	
	<ul style="list-style-type: none">▪ B8.1 Probability, Measure, and Martingales▪ MCF Advanced Numerical Methods	
		<p>Michaelmas Term 2022</p> <p>Hilary Term 2022</p>
	Tutor , University of Oxford	
	<ul style="list-style-type: none">▪ B8.3 Mathematical Models of Financial Derivatives	
		Hilary Term 2023

SELECTED TALKS	<ul style="list-style-type: none"> ▪ London–Oxford–Warwick Mathematical Finance Workshop Oxford, United Kingdom <i>Sensitivity of robust optimization over an adapted Wasserstein ambiguity set</i> 	Sep 2022
ATTENDED WORKSHOPS	<ul style="list-style-type: none"> ▪ Oxbridge PDE Conference Cambridge, United Kingdom ▪ Oxford–Princeton Workshop on Stochastic Analysis and Mathematical Finance Oxford, United Kingdom ▪ Mathematics of Random Systems Summer School Oxford, United Kingdom ▪ Durham Symposium on Stochastic Dynamics, Nonlinear Probability, and Ergodicity Durham, United Kingdom ▪ Workshop in Stability Analysis for Nonlinear PDEs Oxford, United Kingdom ▪ International PDE Conference Oxford, United Kingdom ▪ vICM Sectional Workshop in Applied Mathematics London, United Kingdom ▪ Oxford–ETH Workshop on Mathematical & Computational Finance Zurich, Switzerland ▪ BIRS Workshop on Stochastic Mass Transports Banff, Canada 	Mar 2023 Oct 2022 Sep 2022 Aug 2022 Aug 2022 Jul 2022 Jul 2022 Jun 2022 Mar 2022

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