## **Yifan Jiang**

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EDUCATION	University of Oxford, Oxford, United Kingdom <ul><li>DPhil student in Mathematics of Random Systems</li><li>Under the supervision of Prof. Jan Obłój and Prof. Gui-Qiang Chen</li></ul>	Sep 2021 – Present	
	Fudan University, Shanghai, China <ul><li>BSc in Mathematics and Applied Mathematics</li></ul>	Sep 2016 – Jul 2020	
	The University of Texas at Austin, Austin, United States of America <ul><li>Study abroad in Mathematics</li></ul>	Aug 2018 – Dec 2018	
RESEARCH INTERESTS	<ul> <li>Stochastic control, optimal transport, mathematical finance</li> <li>Fluid dynamics, scalar conservation laws, mean-field systems</li> </ul>		
PUBLICATIONS	[1] Wasserstein distributional robustness of neural networks with X. Bai, G. He and J. Obłój, <i>In Advances in Neural Information Processing Systems</i> , 2023.		
	[2] Empirical approximation to invariant measures for McKean–Vlaso interaction vs self-interaction with K. Du and J. Li, <i>Bernoulli</i> , 2023, vol. 29(3), 2492-2518.	v processes: mean-field	
	[3] Existence and distributional chaos of points that are recurrent but no with X. Tian, <i>Journal of Dynamics and Differential Equations</i> , 2022		
	[4] Convergence of the Deep BSDE method for FBSDEs with non-Lips with J. Li, <i>Probability, Uncertainty and Quantitative Risk</i> , 2021, vol		
PREPRINTS	[5] Sequential propagation of chaos with K. Du and X. Li, 2023.		
AWARDS & HONORS	<ul> <li>Finalists of Alibaba Global Mathematics Competition (10th out of 50l</li> <li>Oxford-Radcliffe Graduate Scholarship (4-year full scholarship)</li> <li>Putnam Mathematical Competition top 3%</li> <li>Samsung Scholarship at Fudan University (the first prize)</li> </ul>	May 2021 Dec 2018 Oct 2017	
RESEARCH EXPERIENCE	<ul> <li>Research Assistant, Fudan University</li> <li>Under the supervision of Prof. Shanjian Tang and Dr. Kai Du</li> <li>Stochastic control, forward-backward SDEs, neural networks</li> </ul>	Aug 2020 – Aug 2021	
	<ul> <li>Undergraduate Researcher, Fudan University</li> <li>Under the supervision of Prof. Xueting Tian</li> <li>Topological dynamical systems, chaos, ergodic measures</li> </ul>	Mar 2019 – Mar 2020	

TEACHING EXPERIENCE	<ul> <li>Teaching Assistant, University of Oxford</li> <li>B8.1 Probability, Measure, and Martingales</li> <li>B8.1 Probability, Measure, and Martingales</li> <li>MCF Advanced Numerical Methods</li> </ul>	Michaelmas Term 2023 Michaelmas Term 2022 Hilary Term 2022
	<ul> <li>Tutor, University of Oxford</li> <li>C4.9 Optimal Transport and Partial Differential Equations</li> <li>B8.3 Mathematical Models of Financial Derivatives</li> </ul>	Michaelmas Term 2023 Hilary Term 2023
SELECTED TALKS	<ul> <li>CIRM: Advances in Stochastic Analysis for Handling Risks in Finance Marseille, France</li> <li>Causal distributionally robust optimization – sensitivity and duality</li> <li>London–Oxford–Warwick Mathematical Finance Workshop Oxford, United Kingdom</li> <li>Sensitivity of robust optimization over an adapted Wasserstein ambigu</li> </ul>	Sep 2022
ATTENDED WORKSHOPS	Clay Research Conference and Workshops Oxford United Vingdom	Sep 2023
	Oxford, United Kingdom <ul> <li>Junior Researcher in Stochastic Optimal Control (Co-organizer)</li> <li>Berlin, Germany</li> </ul>	Sep 2023
	<ul> <li>Oxford–ETH Workshop on Mathematical &amp; Computational Finance Oxford, United Kingdom</li> </ul>	Jun 2023
	<ul> <li>Workshop on Model-free Mathematical Finance London, United Kingdom</li> </ul>	May 2023
	<ul> <li>Conference in Mathematics of Random Systems 2023</li> <li>Edinburgh, United Kingdom</li> </ul>	Apr 2023
	<ul> <li>Oxbridge PDE Conference</li> <li>Cambridge, United Kingdom</li> </ul>	Mar 2023
	<ul> <li>Oxford–Princeton Workshop on Stochastic Analysis and Mathematica Oxford, United Kingdom</li> </ul>	al Finance Oct 2022
	<ul> <li>Mathematics of Random Systems Summer School Oxford, United Kingdom</li> </ul>	Sep 2022
	<ul> <li>Durham Symposium on Stochastic Dynamics, Nonlinear Probability, a Durham, United Kingdom</li> </ul>	and Ergodicity Aug 2022
	<ul> <li>Workshop in Stability Analysis for Nonlinear PDEs Oxford, United Kingdom</li> </ul>	Aug 2022
	<ul> <li>International PDE Conference</li> <li>Oxford, United Kingdom</li> </ul>	Jul 2022
	■ vICM Sectional Workshop in Applied Mathematics London, United Kingdom	Jul 2022
	<ul> <li>Oxford–ETH Workshop on Mathematical &amp; Computational Finance Zurich, Switzerland</li> </ul>	Jun 2022

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