Wenjun Zhao | Curriculum Vitae

Education

Lucation	
PhD candidate in Atmosphere Ocean Science and Mathematics	New York, US
Courant Institute of Mathematical Sciences, New York University	2016-nov
Advisor: Professor Esteban G. Tabak	
BS in Computational Mathematics Special Class for Gifted Youth, University of Science and Technology of China (USTC)	Hefei, China 2012–2016
Visiting student at Department of Computer Science, University of Oxford	2012 2016
Research interests	
Optimal transport and its applications; theoretical and computational geophysical fluid dynamic	S.
Research experience	
Graduate research projects	
Resolving subgrid-scale turbulence dynamics with deep learning	New York, US
With Professors Oliver Bühler, Carlos Fernandez-Granda, and Esteban Tabak	2018-now
Conditional Density Estimation through Optimal Transport	New York, US
0	Submitted to SIMODS
From conventional barycenter optimal transport problem, we propose a methodology to explain the variability	
conditional density estimation with applications in forecast of US ground temperature. Presented at stud	lent seminar, NYU.
Undergraduate research projects	
New Algorithms for Optimal Portfolio Deleveraging Problem	Beijing, China
Undergraduate thesis at Chinese Academy of Sciences	2010
Advisor: Professor Yuhong Duan	
Model Verification for Partially Observable Stochastic Hybrid System	Oxford, UK
Summer project at Department of Computer Science, University of Oxford, funded by USTC Mentor: Professor Alessandro Abate	2018
Macro Scheduling in Face of Ebola	
Meritorious Winner in Mathematical Contest of Modeling	2015
Numerical Methods in Solving the Resistance of Grid Problems	
Presented at Department of Physics, USTC and won first prize in school-wide Contest of Electr	romagnetics 2013
Participation	
NASA JPL-Caltech Summer School: Using Satellite Observations to Advance Climate	Models
	2018
Programming skills	
C, Java, MATLAB, Python, Mathematica, LATFX, Linux	

C, Java, MATLAB, Python, Mathematica, LATEX, Linux

Honors

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MacCracken Fellowship	New York, US
Courant Institute of Mathematical Sciences, New York University	2016–now

Teaching

Grader for undergraduate and graduate ODEs/PDEs, New York University

Teaching assistant for undergraduate multivariable calculus, USTC

2017–2018