

CONTACT INFORMATION	Science Center 321g 1 Oxford Street Cambridge, MA 02138	mobile: (202) 286 3390 e-mail: yifei@math.harvard.edu website: www.math.harvard.edu/~yifei
RESEARCH INTEREST	Algebraic Geometry and Representation Theory.	
EDUCATION	Harvard University , Cambridge, MA	2015-Present
	<i>Ph.D.</i> Candidate in Mathematics; Advisor: Dennis Gaitsgory.	
	Columbia University , New York, NY	2011-2015
	<i>B.A.</i> in Mathematics, (Junior) Phi Beta Kappa; Thesis: <i>On Stability of Vector Bundles</i> ; Advisor: Aise Johan de Jong.	
PAPERS AND PREPRINTS	Zhao, Yifei. <i>Quantum parameters of the geometric Langlands theory</i> , Preprint (2017), arXiv:1708.05108 .	
	Zhao, Yifei. <i>Maximally Frobenius-destabilized vector bundles over smooth algebraic curves</i> . International Journal of Mathematics 28.02 (2017): 1750003. arXiv:1408.5117	
	McNamara, Jacob, and Yifei Zhao. <i>Limiting behavior of Donaldson's heat flow on non-Kähler surfaces</i> , Preprint (2014), arXiv:1403.8037 .	
	Adler, Jeffrey D., Michael Cassel, Joshua M. Lansky, Emma Morgan, and Yifei Zhao. <i>Lifting representations of finite reductive groups: a character relation</i> . Involve, a Journal of Mathematics 9.5 (2016): 805-812. arXiv:1205.6448	
TEACHING EXPERIENCE	<i>Teaching fellow at Harvard University</i>	2016-present
	<ul style="list-style-type: none"> • Honors linear algebra and real analysis I, 25a; • Multivariable calculus, 21a. 	
	<i>Teaching assistant at Columbia University</i>	2012-2015
	<ul style="list-style-type: none"> • Analysis and optimization, V2500; • Honors linear algebra, V2020; • Complex variables, W3007; • Intro to modern analysis II, W4062; • Calculus I, W1101. 	
TALKS	<i>Cayley-Hamilton theorem and Eichler-Shimura relations</i> , at AIM workshop on global Langlands correspondence	2016
	<i>Graduate student seminars</i> at Harvard University	2015-present
	<ul style="list-style-type: none"> • Seminar on ind-coherent sheaves and derived algebraic geometry (organizer); • Grothendieck's specialization theorems for étale fundamental groups; • Bondal-Orlov reconstruction theorem. 	
	<i>Undergraduate Mathematics Society</i> at Columbia University	2011-2015
	<ul style="list-style-type: none"> • The de Rham theorem and Poincaré duality theorem on manifolds; • Siegel's theorem on the algebraic dependence of meromorphic functions; • Serre's GAGA theorems; • Freyd's adjoint functor theorem, and many other topics. 	

AWARDS	<i>The John Dash Van Buren, Jr. Prize in Mathematics</i> , Columbia College Awarded to one student in the graduating class;	2015
	<i>The Professor Van Amringe Mathematics Prize</i> , Columbia College Awarded to a first-year, a sophomore, and a junior student;	2012, 2013, 2014
PROGRAMMING LANGUAGES	C, C++, UNIX, L ^A T _E X	