

# Qirui Li



Department of Mathematics, Columbia University  
Room 509, MC 4406, 2990 Broadway  
New York, NY 10027

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EDUCATION	<b>Columbia University</b> Ph.D candidate, mathematics(May,2018) Advisor: Wei Zhang	<b>2013-2018</b>
	<b>Tsinghua University</b> B.S. in mathematics, June,2013 Fellowship in the Tsinghua Xuetaang Talents Program First Scholarship, Three consecutive years Thesis Advisor: Tian Ye	<b>2009-2013</b>
RESEARCH INTEREST	<b>Number Theory</b> Arithmetic Geometry, Arithmetic Fundamental Lemma. Automorphic Representations, Relative Trance Formulae.	
PREPRINTS	<ul style="list-style-type: none"><li>• <i>Intersection formula of CM cycles on Lubin-Tate tower</i></li><li>• <i>Extensions of vector bundles on the Fargues-Fontaine curve.</i> AWS project with C. Birkbeck, T.Feng, D.Hansen, S.Hong , A.Wang and L.Ye.</li><li>• <i>On Keating's results of formal module endomorphisms lifting.</i></li><li>• <i>On the linear Arithmetic Fundamental Lemma.</i></li></ul>	
INVITED TALKS	Number Theory Seminar, Northwestern University	Nov.2017
CONFERENCE ATTENDED	<ul style="list-style-type: none"><li>• <i>Workshop on Motives, Galois Representations and Cohomology Around the Langlands Program</i> IAS, Princeton.</li><li>• <i>Arbeitsgemeinschaft: Higher Gross Zagier Formulas</i> Oberwolfach, Germany</li><li>• <i>Arizona Winter School, Perfectoid Spaces</i></li><li>• <i>Workshop on Heights and Applications to Unlikely Intersections.</i> Fields Institute, Toronto.</li><li>• <i>Representation Theory, Number Theory and Invariant Theory in honor of Professor Roger Howe on the occasion of his 70th birthday.</i> Yale University, New Haven.</li><li>• <i>p-adic variation in Number Theory in honor of Glenn Stevens' 60th birthday.</i> Boston University.</li><li>• <i>Arizona Winter School, Arithmetic Statistics</i></li></ul>	Nov,2017 Apr,2017 March,2017 Feb,2017 June.2015 June,2014 March,2014

TEACHING	Linear Algebra(MATHS2010.001_2015_2)	Summer 2015
EXPERIENCES	Linear Algebra(MATHS2010.002_2016_2)	Summer 2016
	College Algebra(MATH1003.001_2017_1)	Spring 2017
	Linear Algebra(MATHS2010.001_2017_2)	Summer 2017