

Yu Xin

CONTACT INFORMATION	Department of Mathematics Bar-Ilan University Ramat-Gan, 5290002, Israel	yu.xin@biu.ac.il
EMPLOYMENT	Bar-Ilan University , 2023-current Postdoctoral Researcher, Mathematics	
EDUCATION	Brandeis University , 2017-2023 Ph.D., Mathematics, August 2023 <ul style="list-style-type: none">• Dissertation Topic: On the Sp_{2n}-Distinguished Spectrum of U_{2n}• Advisor: Omer Offen Brandeis University , 2015-2017 Master of Art, Mathematics, May 2017 Tongji University , 2010-2015 Bachelor of Science, Mathematics and Applied Mathematics, July 2015 <ul style="list-style-type: none">• Thesis Topic: Some Relations of Multiple Zeta Values and Their Applications• Advisor: Zhonghua Li	
RESEARCH INTERESTS	Number Theory, Representation Theory, Automorphic Representation, Period Integral, Local Langlands Correspondence	
PAPERS	<i>On the Rankin-Selberg gamma factor of simple supercuspidal representations of the even unitary group for p-adic local fields</i> , submitted, arXiv:2410.11995 <i>On the Sp_{2n}-distinguished spectrum of U_{2n}</i> , submitted, arXiv:2412.05518	
HONORS AND AWARDS	Harold I Levine Endowed Fellowship Prize, 2022 Summer research funding, 2021	
INVITED TALKS	<i>On the Rankin-Selberg gamma factor of simple supercuspidal representations of the unitary group for p-adic local fields</i> , p -adic Lie group representation theory seminar, Beihang University, Nov. 2024	
OTHER TALKS	<i>On the Casselman-Shalika Formula</i> , Ph.D. qualification major exam (advisor: Omer Offen), Brandeis University, Oct. 2021 <i>The Root Datum of a Reductive Group</i> , Ph.D. qualification minor exam (advisor: Jöel Bellaïche), Brandeis University, May 2021 <i>An Introduction to the Langlands Program</i> , Graduate Student Seminar, Brandeis University, November 2021	

CONFERENCE PARTICIPATION	Winter STAR 2024 workshop, Weizmann Institute of Science, Rehovot, Israel, Dec 24-26, 2024	
	The 25th Autumn Workshop on Number Theory (Representation theory of p -adic groups and related topics), Hokkaido University, Sapporo, Japan, Oct 28 - Nov 1, 2024	
	Modular Forms, L-functions and Eigenvarieties (A conference in memoriam of Joël Bellaïche), École Normale Supérieure, Paris, France, June 18-21, 2024	
TEACHING EXPERIENCE	Fall 2017	Teaching Assistant, Introduction to Combinatorics
	Spring 2018	Teaching Assistant, Mathematical Statistics
	Spring 2019	Instructor, Techniques of Calculus (a)
	Summer 2019	Instructor, Techniques of Calculus (b)
	Fall 2019	Instructor, Techniques of Calculus (a)
	Spring 2020	Instructor, Techniques of Calculus (a)
	Fall 2020	Teaching Assistant, Real Analysis
	Spring 2021	Teaching Assistant, Complex Analysis
	Fall 2021	Teaching Assistant, Introduction to Combinatorics
	Spring 2022	Teaching Assistant, Topology II
	Fall 2022	Instructor, Applied Linear Algebra
	Spring 2023	Instructor, Applied Linear Algebra
OTHER EXPERIENCE	Evening Help on Calculus, Fall 2017 & Spring 2018	
	Instructor of Brandeis Graduate Students Prep Camp, Algebra, 2021 & 2022	
MISCELLANIES	Language Proficiency: Chinese(native), English(fluent), Japanese(fluent)	