

CONTACT INFORMATION	Department of Mathematics Bar-Ilan University Ramat-Gan, 200092, Israel yu.xin@biu.ac.il
EMPLOYMENT	Bar-Ilan University , Oct. 2023 – Current Postdoc in Mathematics Mentor: Eyal Kaplan
EDUCATION	Brandeis University , Aug. 2017 – Aug. 2023 Ph.D., Mathematics, August 2023 <ul style="list-style-type: none">• Dissertation Title: <i>On the Automorphic Distinguished Spectrum of the Pair (U_{2n}, Sp_{2n})</i>• Advisor: Omer Offen Brandeis University , Aug. 2015 – May 2017 Master of Art, Mathematics, May 2017 Tongji University , Sep. 2010 – July 2015 Bachelor of Science, Mathematics and Applied Mathematics, July 2015 <ul style="list-style-type: none">• Thesis Title: <i>Some Relations of Multiple Zeta Values and Their Applications</i>• Advisor: Zhonghua Li
RESEARCH INTERESTS	Number Theory, automorphic representation, Rankin-Selberg integrals, distinction
PUBLICATIONS & PREPRINTS	<i>1. On the Rankin-Selberg gamma factor of simple supercuspidal representations of the unitary group for p-adic local fields</i> , Journal of Number Theory, 271, 526-547 <i>2. On the Sp_{2n}-distinguished spectrum of U_{2n}</i> , submitted <i>3. Explicit Formulas for the Bessel models: odd general spinor groups</i> , in preparation
HONORS & AWARDS	Harold I Levine Endowed Fellowship Prize, 2022 Summer Research Funding, 2021
SELECTED TALKS	<i>On the Rankin-Selberg gamma factor of simple supercuspidal representations of the unitary group for p-adic local fields</i> , Beihang University Seminar. (November 2024) <i>An Introduction to the Langlands Program</i> , Brandeis Math department's Graduate Student Seminar. (November 2021)
TEACHING EXPERIENCE	Instructor of Math 10a, Techniques of Calculus (a), Spring 2020, Fall 2019, Spring 2019, Brandeis University Instructor of Math 10b, Techniques of Calculus (b), Summer 2019, Brandeis University

Instructor of Math 15a, Applied Linear Algebra, Fall 2022, Spring 2023, Brandeis University

CONFERENCES

The 25th Autumn Workshop on Number Theory: Representation Theory of p -adic Groups and Related Topics, Hokkaido University, Sapporo, Japan, October 28 - November 1, 2024

Winter STAR Workshop 2024, Weizmann Institute, Rehovot, Israel, December 24-26, 2024

Representation Theory and Algebraic Geometry, Conference on the Occasion of Joseph Bernstein's 80th Birthday, Weizmann Institute, Rehovot, Israel, May 5-8 (May 7-8 on Zoom), 2025

Number Theory, Quantum Chaos and Their Interfaces, Research Workshop of the Israel Science Foundation, A Conference in Honor of Zeev Rudnick's 64th Birthday, TAU, Tel Aviv, Israel, May 18-22, 2025

NSF-CBMS Conference: Representations of p -adic Groups and Noncommutative Geometry, St. John's College, New York, USA, June 9-13, 2025 (planned)

Summer school on Galois Representations, Relative Langlands Duality, Beyond Endoscopy, and Relative Trace Formulae, Aarhus University, Aarhus, Denmark, August 4-9, 2025 (planned)

Conference on Various Topics Centered around Automorphic Forms, L -functions, and Number Theory, Aarhus University, Aarhus, Denmark, August 11-15, 2025 (planned)

OTHER EXPERIENCE

Major Exam of Ph.D. program at Brandeis (October 2021)

- Lecture Topic: On the Casselman-Shalika Formula
- Advisor: Omer Offen

Instructor of Brandeis Graduate Students Prep Camp, Algebra (August 2021, 2022)

Minor Exam of Ph.D. program at Brandeis (May 2021)

- Lecture Topic: The Root Datum of a Reductive Group
- Advisor: Jöel Bellaïche

MISCELLANIES

Language Proficiency: Chinese(native), English(fluent), Japanese(fluent)