

# RUOXI LI

Thackeray Hall, Pittsburgh, PA

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## Education

### University of Pittsburgh

*Doctor of Philosophy in Mathematics*

**2019-2025 (Expected)**

*Pittsburgh, PA, United States*

### University of Illinois Urbana-Champaign

*Master of Science in Mathematics*

**2016-2018**

*Champaign, IL, United States*

### Nankai University

*Bachelor of Science in Mathematics and Applied Mathematics*

**2012-2016**

*Tianjin, China*

## Research Interests

- Motivic classes of moduli stacks
- Serre polynomials of character varieties
- Motives of the moduli space of Higgs bundles on a curve

## Honors & Awards

**Arts & Sciences Graduate Fellowship**, *University of Pittsburgh*

**2019**

**Freshman's Second Prize Scholarship**, *Nankai University*

**2012**

## Presentations

**Riemann-Roch for Riemann Surfaces and Number Fields**

**April 30th, 2021**

*Algebraic Number Theory (MATH 2245)*

**Moduli of Vector Bundles**

**July-November, 2020**

*Online Seminar by students*

**Algebraic groups**

**Jan 22nd, 2020**

*Lie groups and Lie algebras (MATH 3550)*

## Teaching Experiences

**University of Pittsburgh**

**2019-present**

**Lecturer**, Business Calculus (MATH 0120)

**Teaching Assistant**, Business Calculus (MATH 0120)

**Teaching Assistant**, Analytic Geometry & Calculus 1 (MATH 0220)

**Teaching Assistant**, Analytic Geometry & Calculus 2 (MATH 0230)

**Teaching Assistant**, Intro Theoretical Mathematics (MATH 0413)

**Teaching Assistant**, Intro Theory 1-Variable Calculus (MATH 0420)

**Teaching Assistant**, Intro Abstract Algebraic Systems (MATH 0430)

**Grader**, Finite Mathematics (MATH 0400)

**Grader**, Applied Elementary Number Theory (MATH 1020)

**Grader**, Combinatorial Mathematics (MATH 1050)

**Grader**, Partial Differential Equations 1 (MATH 1470)

## Academic Services

**Referee**, *Pittsburgh Interdisciplinary Mathematics Review*

**2024-present**

## Workshops and Conferences

**WARTHOG workshop**, *Eugene, OR, United States*

**July 10-14th, 2023**

**Categorical methods in moduli theory**, *Philadelphia, PA, United States*

**April 7-9th, 2023**

**Workshop on Moduli, motives, and bundles**, *online*

**September 19-23rd, 2022**

**Derived FRG**, *Ann Arbor, MI, United States*

**July 30-August 5th, 2022**

**GAeL XXVIII**, *online*

**July 5-9th, 2021**

**Special Month on Singularities and K-Stability**, *online*

**May 17-June 11th, 2021**

**Overview of Springer theory**, *online*

**June 8-12th, 2020**

**Workshop on Lie Theory and Integrable Systems**, *online*

**June 5-7th, 2020**

**Warwick virtual M2 Workshop**, *online*

**June 1-5th, 2020**

**Geometry and Dynamics of Foliations**, *online*

**May 25-28th, 2020**