

# Cesai Q. Li

## Curriculum Vitae

### Contact Information

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**Office Address:** Department of Mathematics and Statistics  
Boston University  
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### Education

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- **Ph.D. in Mathematics**, Boston University 2024–present
- **Bachelor of Science in Mathematics**, University of British Columbia 2020–2024  
Graduated with Distinction

### Research Interests

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- Mathematical structures in quantum field theory from geometric, topological, and algebraic perspectives
- Quantum error correction, in particular topological quantum error correction codes

### Research Experience

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- **Preliminary Exam Reading Project**, Boston University 2025 Summer
  - Advisor: Brian Williams
  - Topic: *Topological field theories*
- **Research Assistant**, University of Saskatchewan 2023 Summer
  - Advisor: Alex Weekes
  - Topic: *On the monopole formula and its generalizations*

### Teaching Experience

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- **Instructor of Record** for CAS MA 116 Statistics II, BU 2025 Summer 1
- **Instructor of Record** for CAS MA 116 Statistics II, BU 2025 Summer 2
- **Teaching Assistant** for MATH 100 Differential Calculus, UBC 2022 Fall

### Honours and Awards

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- Dean's Fellowship, Boston University 2024 Fall–2025 Spring
- The Canadian Federation of University Women Gaming Education Award 2023
- Dean's Honour List, University of British Columbia 2021

## Community Involvement

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- **Directed Reading Program Mentor**, Boston University 2025 Spring
  - Mentee: Zhengkai Li
  - Topic: *Complete classification of finitely generated abelian groups*
- **Volunteer Tutor**, UBC 2023 Fall–2024 Spring
  - Offered algebra and analysis tutoring to four undergraduate students in mathematics