# Cesai Q. Li

cesai@bu.edu | cesail.github.io

## Education

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

## Research Interests

- Mathematical structures in quantum field theory from algebraic, geometric, and topological perspectives
- Quantum information and quantum computation theory

## Research Experience

- **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

- **Instructor of Record** for CAS MA 116 Statistics II, BU — 2025 Summer 1
- **Teaching Assistant** for MATH 100 Differential Calculus, UBC — 2022 Fall
  - Responsible for grading, facilitated small class discussions

## Honours and Awards

- 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

- **Directed Reading Program Mentor**, Boston University — 2025 Spring
  - Mentee: Zhengkai Li
  - Topic: *Complete classification of finitely generated abelian groups*
- **Mathematics Tutor** — 2023 Fall
  - Offered free tutoring to two undergraduate women in math
  - Topic: *Introduction to algebra and analysis*