Yiming Song

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Education

Ph.D. in Mathematics, Duke University — 2026–

B.A. in Mathematics, Columbia University — 2022–2026
Magna cum laude, departmental honors
Senior thesis: *The cobar construction and the fundamental group*
Thesis advisor: Søren Galatius

Awards and honors

Janet Liou-Mark Student Mathematics Award, MAA — 2026

Dean's List, Columbia University — 2022–2026

Conferences and workshops

Northeast Conference on Categorical Methods, Harvard — Nov 2026

IWoAT Summer School on Stable Homotopy Theory, Beijing — Aug 2026

Joint Mathematics Meetings, Washington D.C. — Jan 2026

Preprints

1. *Carousel theorems for compact sets and homothets*. arXiv:2512.14972.

Talks

A carousel property for compact convex sets — Feb 2026
Carleton University Algorithms Seminar, online

A carousel property for compact convex sets — Jan 2026
Joint Mathematics Meetings, Washington, DC

Teaching

Teaching Assistant, Columbia University — 2024–2026
GU4061 Introduction to Modern Analysis I
GU4041 Introduction to Modern Algebra I
UN1205 Accelerated Multivariable Calculus

Service

Volunteer, Emily K Center Math Circles — Nov 2026–

Languages

English, Mandarin