

Harahm Park

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Education

University of California Los Angeles

Sep 2023 – Present

PhD Student

Advisor: Ko Honda

University of Oxford

Oct 2019 – June 2023

MMath (Integrated Master's)

Parts A & B: First Class

Part C: Distinction

Research Interests

Low-dimensional topology, contact topology

Publications & Preprints

Open book decompositions with page a four-punctured sphere, Preprint, [arXiv:2601.11871](#)

Papers & Preprints

Horn–Moez Prize

June 2024

UCLA prize for high academic achievements and superior results on the qualifying exam for first year graduate studies

Matthew Taylor Prize

Feb 2021

Top prize at Magdalen College for undergraduates studying science

Service

2026 Winter UCLA Participating Topology Seminar

Jan 2026 – Present

Organized a participating seminar on Vassiliev knot invariants, clasper surgery, and Watanabe's disproof of the 4-dimensional Smale conjecture.

Cerf Theory Reading Group

Jan 2026 – Present

Organized a small reading group with other graduate students on *Pseudo-isotopies of compact manifolds* by Hatcher & Wagoner.

Knot Theory Reading Group (Undergraduate Mentoring)

Oct & Nov 2025

Read Chapters 1–3 of *Knots and Links* by Rolfsen with undergraduate student Ari Archer.

Hyperbolic Geometry Reading Group

Feb & March 2025

Organized a small reading group with other graduate students on chapters 1–3 of *Three-Dimensional Geometry and Topology* by Thurston.

Morse Theory Reading Group (Undergraduate Mentoring)

July – Sep 2024

Read chapters 1–5 of *Morse Theory* by Milnor and Part I of *Morse Theory and Floer Homology* by Audin & Damian with undergraduate students Menghan Wang and German Flores.

Characteristic Classes Reading Group

Jan – March 2024

Organized a small reading group with other graduate students on chapters 1–11 of *Characteristic Classes* by Milnor & Stasheff.

Teaching Experience

UCLA Teaching Assistant

Math 31B, Integration and Infinite Series

Spring 2025, Winter 2026

Math 32A, Calculus of Several Variables

Fall 2023

Math 115AH, Honors Linear Algebra
Math 120A, Differential Geometry
Math 225A, Smooth Manifolds
Math 225B, Differential Topology
Math 225C, Algebraic Topology

Fall 2025
Winter 2024
Fall 2024
Winter 2025
Spring 2024