

Hyunki Min

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EMPLOYMENT	Hedrick Assistant Adjunct Professor, UCLA <i>Mentor: Ko Honda</i>	2022 - 2025
	Postdoctoral Associate, Massachusetts Institute of Technology <i>Mentor: Lisa Piccirillo</i>	2021 - 2022

EDUCATION	Ph.D. Mathematics, Georgia Institute of Technology <i>Advisor: John Etnyre</i>	2015 - 2021
	B.S. Computer Science and Engineering, Seoul National University	2008 - 2015

PAPERS	Spaces of Legendrian cables and Seifert fibered links with Eduardo Fernández arXiv:2310.12385	
	Existence and construction of non-loose knots with Rima Chatterjee, John Etnyre and Anubhav Mukherjee arXiv:2310.04908	
	Small symplectic caps and embeddings of homology balls in the complex projective plane with John Etnyre, Lisa Piccirillo and Agniva Roy arXiv:2305.16207	
	The contact mapping class group and rational unknots in lens spaces arXiv:2207.03590	
	Non-loose torus knots with John Etnyre and Anubhav Mukherjee arXiv:2206.14848	
	Strongly fillable contact structures without Liouville fillings arXiv:2205.09912	
	Cabling Legendrian and transverse knots with Apratim Chakraborty and John Etnyre arXiv:2012.12148 To appear in <i>Journal of Differential Geometry</i>	
	On 3-manifolds that are boundaries of exotic 4-manifolds with John Etnyre and Anubhav Mukherjee <i>Transactions of the AMS, 375-6 (2022) 4307-4332</i>	
	Classification of tight contact structures on surgeries on the figure-eight knot with James Conway <i>Geometry & Topology, 24-3 (2020) 1457-1517</i>	

TALKS	Topology seminar, University of Southern California	November 2023
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Topology seminar, Claremont Colleges	<i>November 2023</i>
Topology seminar, UT Austin	<i>September 2023</i>
Graduate Student Topology and Geometry Conference, Harvard University	<i>July 2023</i>
Georgia Topology Conference, University of Georgia	<i>May 2023</i>
AMS Sectional Meeting, Georgia Tech	<i>March 2023</i>
Workshop for Young Symplectic Geometers, Korea	<i>February 2023</i>
G&T Workshop Turkey, Online workshop	<i>December 2021</i>
Boston Graduate Topology Seminar, MIT	<i>November 2021</i>
Informal Symplectic Seminar, MIT	<i>November 2021</i>
Geometry/Topology Seminar, MIT	<i>September 2021</i>
GT GAPS, Online seminar	<i>August 2021</i>
Joint Mathematics Meeting, Online conference	<i>January 2021</i>
Tech Topology Conference, Georgia Tech	<i>December 2020</i>
NCNGT 20, Online conference	<i>June 2020</i>
Topology Seminar, University of Alabama	<i>February 2020</i>
Topology Seminar, Seoul National University	<i>December 2019</i>
Tech Topology Conference, Georgia Tech	<i>December 2019</i>
Topology Seminar, Binghamton University	<i>April 2019</i>
AMS Sectional Meeting, University of Auburn	<i>March 2019</i>
Topology Seminar, University of Georgia	<i>January 2019</i>
Mini-workshop, Seoul National University	<i>January 2019</i>
Tech Topology Conference, Georgia Tech	<i>December 2018</i>

TEACHING
UCLA

Math 132: Complex Analysis for Applications	<i>Spring 2024</i>
Math 110B: Algebra	<i>Winter 2024</i>
Math 132: Complex Analysis for Applications	<i>Winter 2024</i>
Math 31B: Integration and Infinite Series	<i>Fall 2023</i>
Math 33A: Linear Algebra and its Applications	<i>Spring 2023</i>
Math 33B: Differential Equations	<i>Winter 2023</i>

MIT	Math 115A: Linear Algebra	Fall 2022
	TA of 18.03: Differential Equations	Spring 2022
	TA of 18.02: Multivariable Calculus	Fall 2021
GEORGIA TECH	GRE Math Boot Camp	Summer 2021
	Math 2550: Introduction to Multivariable Calculus	Summer 2020
	Math 2550: Introduction to Multivariable Calculus	Summer 2019
	Math 2551: Multivariable Calculus	Summer 2018
	Head TA of Math 2551: Multivariable Calculus	Spring 2021
	Head TA of Math 2551: Multivariable Calculus	Fall 2019
	TA of Math 1554: Linear Algebra	Fall 2020
	TA of Math 2551: Multivariable Calculus	Spring 2020
	TA of Math 2551: Multivariable Calculus	Spring 2019
	TA of Math 1554: Linear Algebra	Fall 2018
	TA of Math 2552: Differential Equations	Fall 2017
	TA of Math 2551: Multivariable Calculus	Summer 2017
	TA of Math 2551: Multivariable Calculus	Spring 2017
	TA of Math 1564: Linear Algebra with Abstract Vector Spaces	Fall 2016
	TA of Math 2552: Differential Equations	Summer 2016
	TA of Math 2551: Multivariable Calculus	Spring 2016
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AWARDS	Top Grad Student Award, Georgia Tech	Spring 2021
	Outstanding Grad Student Instructor Award, Georgia Tech	Spring 2021
	Outstanding TA Award, Georgia Tech	Spring 2021
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MENTORING	REU: 2-bridge knots and the cosmetic surgery conjecture, UCLA <i>Mentees: Michael Huang, Zelong Li, Rahi Tanaz, Chengyi Zhang</i>	Summer 2023
	Direct Reading Program: Legendrian knots, MIT <i>Mentees: Pedro Suarez, Liane Xu</i>	Winter 2021
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SERVICE	Referee work: <i>Journal of Topology, New York Journal of Mathematics, Bullentins of London Mathematical Society, Journal of Symplectic Geometry, Asian Journal of Mathematics</i>	

Co-organizer , Geometry & Topology Seminar, MIT	<i>Spring 2022</i>
Co-organizer , Geometry & Topology Seminar, MIT	<i>Fall 2021</i>
Co-organizer , Contact and symplectic topology , NCNGT 21	<i>Summer 2021</i>
Co-organizer , Reading groups on filling obstructions , Georgia Tech	<i>Spring 2021</i>
Co-organizer , 4-dimensional manifolds reading seminar , Georgia Tech	<i>Fall 2020</i>
Co-organizer , Heegaard Floer homology reading seminar, Georgia Tech	<i>Spring 2020</i>
Organizer , High dimensional contact topology reading seminar , Georgia Tech	<i>Fall 2019</i>
Grad Panel with Visiting Honor Students , Georgia Tech	<i>Spring 2021</i>

REFERENCES

John Etnyre, Georgia Tech

Jen Hom, Georgia Tech

Ko Honda, UCLA

Lisa Piccirillo, MIT

Klara Grodzinsky (Teaching), Georgia Tech
