

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	Tight contact structures on a family of hyperbolic L-spaces with Isacco Nonino arXiv:2311.14103	
	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	<i>November 2023</i>
	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>

MIT	Math 33A: Linear Algebra and its Applications	Spring 2023
	Math 33B: Differential Equations	Winter 2023
	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
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
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

SERVICE

Referee work: *Journal of Topology*, *New York Journal of Mathematics*, *Bulletins of London Mathematical Society*, *Journal of Symplectic Geometry*, *Asian Journal of Mathematics*

Co-organizer, Geometry & Topology Seminar, MIT *Spring 2022*

Co-organizer, Geometry & Topology Seminar, MIT *Fall 2021*

Co-organizer, [Contact and symplectic topology](#), NCNGT 21 *Summer 2021*

Co-organizer, [Reading groups on filling obstructions](#), Georgia Tech *Spring 2021*

Co-organizer, [4-dimensional manifolds reading seminar](#), Georgia Tech *Fall 2020*

Co-organizer, Heegaard Floer homology reading seminar, Georgia Tech *Spring 2020*

Organizer, [High dimensional contact topology reading seminar](#), Georgia Tech *Fall 2019*

Grad Panel with Visiting Honor Students, Georgia Tech *Spring 2021*

REFERENCES

John Etnyre, Georgia Tech

Jen Hom, Georgia Tech

Ko Honda, UCLA

Lisa Piccirillo, MIT

Klara Grodzinsky (Teaching), Georgia Tech