

# Hyunki Min

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

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

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

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TALKS	<b>Graduate Student Topology and Geometry Conference, Harvard University</b>	<i>July 2023</i>
	<b>Georgia Topology Conference, University of Georgia</b>	<i>May 2023</i>
	<b>AMS Sectional Meeting, Georgia Tech</b>	<i>March 2023</i>
	<b>Workshop for Young Symplectic Geometers, Korea</b>	<i>February 2023</i>
	<b>G&amp;T Workshop Turkey, Online workshop</b>	<i>December 2021</i>

<b>Boston Graduate Topology Seminar, MIT</b>	<i>November 2021</i>
<b>Informal Symplectic Seminar, MIT</b>	<i>November 2021</i>
<b>Geometry/Topology Seminar, MIT</b>	<i>September 2021</i>
<b>GT GAPS, Online seminar</b>	<i>August 2021</i>
<b>Joint Mathematics Meeting, Online conference</b>	<i>January 2021</i>
<b>Tech Topology Conference, Georgia Tech</b>	<i>December 2020</i>
<b>NCNGT 20, Online conference</b>	<i>June 2020</i>
<b>Topology Seminar, University of Alabama</b>	<i>February 2020</i>
<b>Topology Seminar, Seoul National University</b>	<i>December 2019</i>
<b>Tech Topology Conference, Georgia Tech</b>	<i>December 2019</i>
<b>Topology Seminar, Binghamton University</b>	<i>April 2019</i>
<b>AMS Sectional Meeting, University of Auburn</b>	<i>March 2019</i>
<b>Topology Seminar, University of Georgia</b>	<i>January 2019</i>
<b>Mini-workshop, Seoul National University</b>	<i>January 2019</i>
<b>Tech Topology Conference, Georgia Tech</b>	<i>December 2018</i>

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## TEACHING

UCLA	<b>Instructor of Math 32B: Multivariable Calculus</b>	<i>Fall 2023</i>
	<b>Instructor of Math 33A: Linear Algebra and its Applications</b>	<i>Fall 2022</i>
	<b>Instructor of Math 33B: Differential Equations</b>	<i>Fall 2022</i>
	<b>Instructor of Math 115A: Linear Algebra</b>	<i>Fall 2022</i>
MIT	<b>TA of 18.03: Differential Equations</b>	<i>Spring 2022</i>
	<b>TA of 18.02: Multivariable Calculus</b>	<i>Fall 2021</i>
GEORGIA TECH	<b>Instructor of <a href="#">GRE Math Boot Camp</a></b>	<i>Summer 2021</i>
	<b>Instructor of Math 2550: Introduction to Multivariable Calculus</b>	<i>Summer 2020</i>
	<b>Instructor of Math 2550: Introduction to Multivariable Calculus</b>	<i>Summer 2019</i>
	<b>Instructor of Math 2551: Multivariable Calculus</b>	<i>Summer 2018</i>
	<b>Head TA of Math 2551: Multivariable Calculus</b>	<i>Spring 2021</i>
	<b>Head TA of Math 2551: Multivariable Calculus</b>	<i>Fall 2019</i>
	<b>TA of Math 1554: Linear Algebra</b>	<i>Fall 2020</i>

	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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SERVICE	Referee work: <i>Journal of Topology</i> , <i>New York Journal of Mathematics</i> , <i>Bulletins of London Mathematical Society</i> , <i>Journal of Symplectic Geometry</i>	
	Co-organizer, Geometry & Topology Seminar, MIT	Spring 2022
	Co-organizer, Geometry & Topology Seminar, MIT	Fall 2021
	Co-organizer, <a href="#">Contact and symplectic topology</a> , NCNGT 21	Summer 2021
	Co-organizer, <a href="#">Reading groups on filling obstructions</a> , Georgia Tech	Spring 2021
	Co-organizer, <a href="#">4-dimensional manifolds reading seminar</a> , Georgia Tech	Fall 2020
	Co-organizer, Heegaard Floer homology reading seminar, Georgia Tech	Spring 2020
	Organizer, <a href="#">High dimensional contact topology reading seminar</a> , Georgia Tech	Fall 2019
	Direct Reading Program, Legendrian knots, MIT <i>Mentees: Pedro Suarez, Liane Xu</i>	Winter 2021
	Grad Panel with Visiting Honor Students, Georgia Tech	Spring 2021
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REFERENCES	John Etnyre, Georgia Tech	
	Jen Hom, Georgia Tech	
	Ko Honda, UCLA	
	Lisa Piccirillo, MIT	

Klara Grodzinsky (Teaching), Georgia Tech

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