Hyunki Min

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EMPLOYMENT

Hedrick Assistant Adjunct Professor, UCLA *2022 - 2025*
Mentor: Ko Honda

Postdoctoral Associate, Massachusetts Institute of Technology *2021 - 2022*
Mentor: Lisa Piccirillo

EDUCATION

Ph.D. Mathematics, Georgia Institute of Technology *2015 - 2021*
Advisor: John Etnyre

B.S. Computer Science and Engineering, Seoul National University *2008 - 2015*

PAPERS

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 *Journal of Differential Geometry*

On 3-manifolds that are boundaries of exotic 4-manifolds
with John Etnyre and Anubhav Mukherjee
Transactions of the AMS, 375-6 (2022) 4307-4332

Classification of tight contact structures on surgeries on the figure-eight knot
with James Conway
Geometry & Toplogy, 24-3 (2020) 1457–1517

TALKS

G&T Workshop Turkey, Online workshop *December 2021*

Boston Graduate Topology Seminar, MIT *November 2021*

Informal Symplectic Seminar, MIT *November 2021*

Geometry/Topology Seminar, MIT *September 2021*

GT GAPS, Online seminar *August 2021*

Joint Mathematics Meeting, Online conference *January 2021*

Tech Topology Conference, Georgia Tech *December 2020*

NCNGT 20, Online conference *June 2020*

Topology Seminar, University of Alabama	*February 2020*
Topology Seminar, Seoul National University	*December 2019*
Tech Topology Conference, Georgia Tech	*December 2019*
Topology Seminar, Binghamton University	*April 2019*
AMS Sectional Meeting, University of Auburn	*March 2019*
Topology Seminar, University of Georgia	*January 2019*
Mini-workshop, Seoul National University	*January 2019*
Tech Topology Conference, Georgia Tech	*December 2018*

Teaching

UCLA	**Instructor of Math 115A: Linear Algebra**	*Fall 2022*
MIT	**TA of 18.03: Differential Equations**	*Spring 2022*
	TA of 18.02: Multivariable Calculus	*Fall 2021*
Georgia Tech	**Instructor of GRE Math Boot Camp**	*Summer 2021*
	Instructor of Math 2550: Introduction to Multivariable Calculus	*Summer 2020*
	Instructor of Math 2550: Introduction to Multivariable Calculus	*Summer 2019*
	Instructor of 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*

Service		
Referee work: *Journal of Topology*		
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*
Direct Reading Program, Legendrian knots, MIT *Mentees: Pedro Suarez, Liane Xu*		*Winter 2021*
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	