

## Hyuk Jun Kweon

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CONTACT INFORMATION	77 Massachusetts Ave., Bldg. 2-174 Cambridge, MA 02139, USA	+1-857-999-1251 kweon@mit.edu
EMPLOYMENT	<b>Massachusetts Institute of Technology</b> , Cambridge, MA  Research Specialist Limited – MIT Doctoral (One-year bridge postdoc) Aug. 2021 - May. 2022  <b>National Institute for Mathematical Sciences</b> , Daejeon, South Korea  <b>Technical Research Personnel</b> Mar. 2015 - Apr. 2018 <ul style="list-style-type: none"> <li>• Alternative military service</li> <li>• Managing a SageMath notebook server</li> <li>• Providing mathematical outreach programs</li> </ul>	
EDUCATION	<b>Massachusetts Institute of Technology</b> , Cambridge, MA  Ph.D. in Mathematics Sep. 2012 - Aug. 2014 Sep. 2018 - Jun. 2021  Advisor: Bjorn Poonen (Leave of absence is due to compulsory military service)  <b>Pohang University of Science and Technology</b> , Pohang, South Korea  B.S. in Mathematics B.S. in Computer Science and Engineering Mar. 2008 - Feb. 2012 <ul style="list-style-type: none"> <li>• Double Major</li> <li>• Summa Cum Laude</li> </ul>	
PUBLICATION	Bounds on the Torsion Subgroup Schemes of Néron-Severi Group Schemes, Submitted  Bounds on the Torsion Subgroups of Néron-Severi Groups, <i>Trans. Amer. Math. Soc.</i> 374 (2021), pp. 351-365.  Overlap of convex polytopes under rigid motion (with Hee-Kap Ahn; Siu-Wing Cheng and Juyoung Yon); <i>Computational Geometry</i> 47, no. 1 (2014): 15-24	
TEACHING	<b>Calculus (18.01A/18.02A)</b> Sep. 2021 - Dec. 2021 Recitation Leader, Massachusetts Institute of Technology  <b>Calculus of Several Variables (18.022)</b> Sep. 2019 - Dec. 2019 Recitation Leader, Massachusetts Institute of Technology  <b>Differential Equations (MATH200)</b> Mar. 2012 - Jun. 2012 Recitation Leader, Pohang University of Science and Technology  <b>Complex Variables (MATH310)</b> Recitation Leader, Pohang University of Science and Technology Bounds on the Torsion Subgroups of Néron-Severi Groups Dec. 2021	
RESEARCH TALKS	Junior Number Theory Days 2021 Dec. 2021  2021 Korean Mathematical Society Annual Meeting Oct. 2021 2021 Korean Mathematical Society Annual Meeting Oct. 2021 Ohio State Number Theory Seminar, Ohio State University Mar. 2021	

	AMS Special Session, Spring Eastern Sectional Meeting, Brown University	Mar. 2021
	Binghamton Arithmetic Seminar, Binghamton University	Mar. 2021
	<del>AMS Special Session, Spring Eastern Sectional Meeting, Tufts University</del> (Canceled due to COVID-19)	Mar. 2020
	Korea Institute for Advanced Study	Jan. 2020
EXPOSITORY TALKS	<b>Alterations</b>	Nov. 2020
	STAGE, Massachusetts Institute of Technology	
	<b>Formal Groups as Functors</b>	Sep. 2019
	STAGE, Massachusetts Institute of Technology	
	<b>Division by 2 on Hyperelliptic Curves</b>	Dec. 2018
	Preprint Seminar, Massachusetts Institute of Technology	
ACADEMIC SERVICE	<b>Review of Étale Cohomology</b>	Sep. 2018
	STAGE, Massachusetts Institute of Technology	
	<b>On the Fary-Milnor theorem, following the existing literatures</b>	Nov. 2010
	SCV Seminar, Pohang University of Science and Technology	
	Co-organizer of STAGE	Fall 2021
	(Seminar on Topics in Arithmetic, Geometry, Etc.), MIT	
AWARDS AND HONORS	Co-organizer of STAGE	Fall 2020
	(Seminar on Topics in Arithmetic, Geometry, Etc.), MIT	
	Scholarship for Doctoral Study, Samsung Foundation	Sep. 2012 - Jun. 2021
	Scholarship, STX Foundation	Mar. 2011 - Feb. 2012
	Governmental Scholarship, Korea Student Aid Foundation	Mar. 2008 - Feb. 2011
	6th Place, ACM-ICPC Korea Regional Programming Contest	Nov. 2010
	4th Place, ACM-ICPC Korea Regional Programming Contest	Nov. 2009
	5th Place, ACM-ICPC Korea Regional Programming Contest	Nov. 2008