

- Personal** 1 Oxford Street, Room 431d
Cambridge, MA 02138, USA
Canadian Citizen, born in Seoul, South Korea, on January 3, 1992.
Phone: (617) 631-2811
- Education** · **Harvard University**, Ph.D., August 2014 – May 2019,
· **University of Toronto**, H.B.Sc., September 2010 – June 2014.
- Publications** 1. (with Anand Deopurkar) *Stable log surfaces, admissible covers, and canonical curves of genus 4*, arXiv:1807.08413 (2018)
2. (with Jun-Yong Park) *Arithmetic of the moduli of semistable elliptic surfaces*, arXiv:1607.03187 (submitted to Math. Ann., 2018)
- Awards** · NSERC Postgraduate Scholarships-Doctoral Program, May 2016 - April 2019
· The Norman Stuart Robertson Scholarship in Mathematics, 2013
· NSERC Undergraduate Student Research Awards, May 2012 - August 2012
· The Coxeter Scholarship in Mathematics, 2012
· Queen Elizabeth II Aiming for Top Scholarship, 2010 – 2014
- Research** Algebraic geometry, moduli spaces/stacks, KSBA compactifications, Hassett-Keel program, minimal model program, intersection theory, enumerative geometry, rational points on varieties, deformation theory, degenerations, and Grothendieck ring of varieties/stacks.
- Recent Talks** **Spring 2018**
· **Feb** *Algebraic Geometry Seminar*, Brown University, Providence, RI.
A birational model of moduli of genus 4 curves using stable log surfaces.
Spring 2017
· **May** *AMS graduate student conference in algebra and number theory*, Brown University, Providence, RI.
Compactifying moduli of genus four curves using moduli of log surfaces.
· **Jan** *Algebraic Geometry Seminar*, University of Georgia, Athens, GA.
KSBA compactifications of smooth quadrics and trigonal genus four curves.
- Conferences** — **October 2018**, *Moduli Spaces: Birational Geometry and Wall Crossings*, BIRS, Banff, AB, Canada
— **October 2018**, *Western Algebraic Geometry Symposium*, University of Oregon, Eugene, OR
— **September 2018**, *Algebraic Geometry Northeastern Series*, Brown University, Providence, RI

- **July 2018**, *Moduli Spaces in Algebraic Geometry and Applications*, satellite conference of ICM, Campinas, Brazil
- **June ~July 2018**, *Summer Graduate School on Derived Categories*, MSRI, Berkeley, CA
- **January 2018**, *Korean-Italian Meeting on Algebraic Geometry*, KIAS, Seoul, South Korea
- **October 2017**, *Algebraic Geometry Northeastern Series*, Northeastern University, Boston, MA
- **August 2017**, *Conference on Birational Geometry*, Simons Foundation, New York, NY
- **June 2017**, *Géométrie Algébrique en Liberté XXV*, University of Bath, Bath, UK
- **June 2017**, *Linear Systems on Irregular Varieties*, Como, Italy
- **May 2017**, *Geometry of Moduli Spaces*, UCSD, La Jolla, CA
- **May 2017**, *Mini-workshop in Birational Geometry and Hodge Theory*, Northwestern University, Evanston, IL
- **December 2016**, *Workshop on Combinatorial Moduli Spaces and Intersection Theory*, Fields Institute, Toronto, ON, Canada
- **August 2016**, *Introductory Workshop on Combinatorial Algebraic Geometry*, Fields Institute, Toronto, ON, Canada
- **July 2016**, *Higher Dimensional Algebraic Geometry*, University of Utah, Salt Lake City, UT
- **July 2015**, *AMS Summer Institute on Algebraic Geometry*, University of Utah, Salt Lake City, UT
- **April 2015**, *New Techniques in Birational Geometry*, Stony Brook University, Stony Brook, NY

Service

- Organized student algebraic geometry seminars at Harvard, Spring 2015 ~ Fall 2017
- Co-organized undergraduate math seminars at University of Toronto, Fall 2012 ~ Spring 2013

Teaching

Harvard University

- *Teaching Fellow for Math 1b (Calculus, Series, and Differential Equations)*, Fall 2017. {Responsible for planning and giving lectures to 20 students, holding office hours, and grading exams.}
- *Teaching Fellow for Math 21b (Linear Algebra and Differential Equations)*, Spring 2017
- *Graduate Course Assistant for Math 258Y (degenerations in algebraic geometry)*, Fall 2016. {Responsible for planning and running sessions that complement the lectures, grading homeworks.}

- *Teaching Fellow for Math 1b (Calculus, Series, and Differential Equations)*, Fall 2015

University of Toronto

- *Teaching Assistant for MAT136H1 (Calculus I(B))*, Spring 2014. {Responsible for running tutorials and grading a midterm.}
- *Teaching Assistant for MAT135H1 (Calculus I(A))*, Fall 2013
- *Teaching Assistant for MAT136H1 (Calculus I(B))*, Spring 2013
- *Teaching Assistant for MAT135H1 (Calculus I(A))*, Fall 2012

References**Joseph Harris**

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Barry Mazur

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Cliff Taubes (Teaching)

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