

CONTACT Department of Mathematics *Phone: (617) 627-3235*
 INFORMATION Tufts University *Fax: (617) 627-3966*
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EDUCATION **Tufts University**, Medford, Massachusetts, USA
 Ph.D., Department of Mathematics, expected in May 2018
Advisors: Professor Kim Ruane
 M.Sc., Department of Mathematics, May 2015
Bowdoin College, Brunswick, Maine, USA
 Bachelor of Arts, May, 2013

RESEARCH Boundaries of CAT(0) Spaces
 INTERESTS Geometric Group Theory

PUBLICATIONS M. Ben-Zvi, A. Ma, and M. Reyes, *A Kochen-Specker theorem for integer matrices and noncommutative spectrum functor*, submitted. (ArXiv.org) (September 2015).
 M. Ben-Zvi, *HNN extensions and their visual boundaries*, preprint in progress.

CONFERENCES, **Conferences and Workshops**
 WORKSHOPS AND
 TALKS

- *CAT(0) HNN extensions and their visual boundaries*: Graduate Student Conference in Algebra, Geometry, and Topology, Temple University, Philadelphia, PA, May 14-15, 2016.

Local Seminars:

- *CAT(0) free-by-cyclic groups and their visual boundaries*: Graduate Student Seminar, Tufts University, Somerville, MA, December 2, 2015
- *Continued fractions are the best*: Graduate Student Seminar, Tufts University, Somerville, MA, February 25, 2016

Workshops and Conferences Attended

- AMS Fall Eastern Sectionals Meeting, Rutgers University, New Brunswick, NJ, November 14-15, 2015.
- Topology Student Workshop, Georgia Institute of Technology, Atlanta, Georgia, June 6-10, 2016.
- Wasatch Topology Conference Summer 2016, Midway, Utah, August 8-10, 2016.

TEACHING
EXPERIENCE

Tufts University Teaching Assistant:

- MATH19, Math of Social Choice; grader, recitation leader (Fall 2014)
- MATH136, Real Analysis II; grader (Spring 2014)
- MATH135, Real Analysis I; grader (Fall 2013)

Poincare Institute

The Poincare Institute is an NSF-funded grant seeking to transform and improve the teaching and learning of mathematics in middle school and the connections between the elementary, middle, and high school mathematics curricula.

- Online course instructor (Spring 2015-Spring 2016)
- Research assistant (Summer 2015, Summer 2016)

Directed Reading Program

The Directed Reading Program pairs undergraduate students with graduate students to work on an independent reading project. In the summer of 2015, I worked with an undergraduate on continued fractions. We read parts of A. Ya. Khinchin's *Continued Fractions* along with parts of Allen Hatcher's *Topology of Numbers*.

I co-organized the DRP for the summer of 2016 along with Andrew Sánchez, with guidance from Moon Duchin.

Teaching Course

In the fall of 2015, I co-organized a teaching course for graduate students along with Seth Rothschild and Andrew Sánchez. The main goal of the course was to provide the tools necessary for graduate students to evaluate their own teaching. The syllabus can be found [here](#).

Bowdoin College

- Math200, Introduction to Mathematical Reasoning; grader (Spring 2012-Spring 2013) and review session leader (Fall 2012-Spring 2013)
- Math172, Integral Calculus; grader and review session leader (Fall 2011)
- Math182, Multivariate Calculus; grader (Spring 2011)

MEMBERSHIPS

American Mathematical Society (AMS)

Association for Women in Mathematics (AWM)

DEPARTMENTAL
SERVICE

Upper year representative for Tufts Organization of Graduate Students in Mathematics, Fall 2015-Spring 2017

Treasurer: Associate for Women in Mathematics, Tufts University Chapter, Fall 2015-Spring 2016

LANGUAGE
SKILLS

English: native speaker

Computer: L^AT_EX