

Aaron Calderon

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U.S. Citizen

Education

- Yale University**, New Haven, CT 2016 –
Ph.D. Student in Mathematics. Advisor: Yair Minsky
Lang Fellowship
- The University of Nebraska–Lincoln**, Lincoln, NE 2016
B.S. in Mathematics, minor in Philosophy, University Honors Program
Highest Distinction, Phi Beta Kappa, Chair’s Prize for Mathematics

Other Educational Experiences

- The Independent University of Moscow**, Moscow, Russia Spring 2015
Math in Moscow
AMS Math in Moscow Scholarship, Diploma with Distinction
- The Pennsylvania State University**, University Park, PA Fall 2013
Mathematics Advanced Study Semesters
MASS Fellowship, Diploma with Distinction

Honors & Awards

- NSF Graduate Research Fellowship 2016 – 2022
Barry Goldwater Scholar 2015
Dean H. and Floreen G. Eastman Scholarship 2012 – 2016

Publications & Preprints

- Conjugacy geodesics of Coxeter groups**
(with S. Hermiller and T. Susse)
In Preparation.
- Generalized bipyramids and hyperbolic volumes of alternating k -uniform tiling links**
(with C. Adams and N. Mayer)
Submitted. arxiv:1709.00432.
- Volume and determinant densities of hyperbolic rational links**
(with C. Adams, X. Jiang, A. Kastner, G. Kehne, N. Mayer and M. Smith)
J. Knot Theory and its Ramifications **26** (2017), No. 1 1750002. arXiv:1510.06050

Selected Presentations

INVITED TALKS

- Tufts Geometric Group Theory and Topology Seminar February 2017
William Jewell College KME Colloquium November 2014

CONTRIBUTED TALKS

Yale Graduate Student Seminar, Yale University	October 2016
Topology Students Workshop, Georgia Tech	June 2016
AMS Special Session in Topological and Smooth Dynamics, North Dakota State University	April 2016
Undergraduate thesis defense, University of Nebraska–Lincoln	March 2016
AMS–MAA Joint Meetings Poster Session, Seattle (with N. Mayer) Outstanding Student Presenter	January 2016
Univ. of Nebraska–Lincoln Groups, Semigroups and Topology Seminar	October 2015
Univ. of Nebraska–Lincoln Groups, Semigroups and Topology Seminar	December 2014
SUMS, James Madison University (with S. Fairchild)	September 2013
MASSfest, Penn State (with S. Fairchild, S. Simon)	August 2013

Teaching Experience

Yale University

Coach (assigned group tutor), Math 120 Calculus 3 Fall 2016

The University of Nebraska–Lincoln

Teaching assistant, Math 106 Calculus 1 Spring 2016

Teaching assistant, Math 106 Calculus 1 Fall 2015

Teaching assistant, Math 208 Calculus 3 Fall 2014

Workshops & Programs Attended

Introduction to geometry, dynamics, and moduli in low dimensions LMS–CMI Research School at the University of Warwick.	September 2017
Polygonal Billiards Research Cluster, Tufts University	July – August 2017
Workshop in Geometric Topology, Provo, UT	June 2017
Topology Students Workshop, Georgia Tech.	June 2016

Undergraduate Research Experience

Undergraduate Research , The University of Nebraska–Lincoln NSF grant DMS–1313559, Nebraska UCARE grant Research in geometric group theory under the direction of Professor Susan Hermiller	2014 – 2016
SMALL REU , Williams College Research in hyperbolic knot theory under the direction of Professor Colin Adams	2015
Penn State REU , Penn State University Research on lattice tilings under the direction of Professor Viorel Nitica	2013

Service

Co-organizer of Yale Graduate Student Seminar	2017 – 2018
Actor in Mathematically Bent Theater, AMS–MAA Joint Meetings.	January 2016

Played the roles of Mathematicus in *Mathematicus* and Cratchitch in *A Pi Day Carol*.

Univ. of Nebraska–Lincoln Academic Program Review student representative

2015

Pi Mu Epsilon National Mathematics Honorary Society

2012 – 2016

Last updated: September 7, 2017