

# RYLEE ALANZA LYMAN

---

CONTACT	Tufts University Mathematics 503 Boston Ave Medford, MA 02155	<i>E-mail:</i> rylee.lyman@tufts.edu <i>Mobile:</i> 952.465.6895 <i>Webpage:</i> <a href="http://www.ryleeealanza.org">http://www.ryleeealanza.org</a>
INTERESTS	Geometric Group Theory, Hyperbolic and CAT(0) geometry, Geometric Topology	
EDUCATION	<b>Tufts University</b> , PhD in Mathematics (Advisor: Kim Ruane)	<i>expected</i> May 2020
	<b>Tufts University</b> , MS in Mathematics	May 2017
	<b>Columbia University</b> , BA in Mathematics (honors) & Music, <i>cum laude</i>	May 2015
RESEARCH	<b>Train Tracks, Orbigraphs and CAT(0) Free-By-Cyclic Groups</b> <i>In preparation.</i>	
	<b>Doubly-Uniform Exponential Growth for Free-By-Cyclic Groups</b> (with Robert Kropholler and Thomas Ng) <i>In preparation.</i>	
	<b>Out(<math>F_\infty</math>) and Big Mapping Class Groups</b> (with Santana Afton) <i>In preparation.</i>	
CONFERENCE & SEMINAR TALKS	<b>Special Session, AMS Sectional Meeting</b> <i>Combinatorial Methods in Geometric Group Theory,</i> University of Virginia at Charlottesville	Mar 2020
	<b>Special Session, AMS Sectional Meeting</b> <i>Effective and Quantitative Advances in Low Dimensional Topology</i> <i>and Geometric Group Theory,</i> Binghamton University	Oct 2019
	<b>Algebra/Topology Seminar</b> State University of New York at Albany	Oct 2019
	<b>Graduate Seminar</b> Temple University	Sep 2019
	<b>Geometry and Topology Seminar</b> Temple University	Sep 2019
	<b>Young Geometric Group Theory VIII</b> <i>Lightning Talk,</i> Colegio Mayor Miguel de Unamuno	July 2019
	<b>LG&amp;TBQ</b> University of Michigan	June 2019
	<b>Graduate Student Conference in Algebra, Geometry and Topology</b> Temple University	June 2019
	<b>Graduate Student Topology and Geometry Conference</b> <i>Lightning Talk,</i> University of Illinois at Urbana-Champaign	Mar 2019
	<b>Spring Topology and Dynamical Systems Conference</b> University of Alabama at Birmingham	Mar 2019
	<b>Geometric Group Theory and Topology Seminar</b> Tufts University	Nov 2018
	<b>Eminar</b> Tufts Student Seminar, 5 talks	2017–2019

CONFERENCE PARTICIPATION	<b>Wasatch Topology Conference</b>	Aug 2019
	University of Utah, Brigham Young University	
	<b>Aspects of Geometric Group Theory</b>	July 2019
	Institut des Hautes Études Scientifiques	
	<b>Spring Opportunities Workshop</b>	Apr 2019
	American Institute of Mathematics	
	<b>Young Geometric Group Theory in the Midwest</b>	Oct 2018
	University of Wisconsin at Madison	
	<b>Women and Mathematics Program</b>	May 2016
	Institute for Advanced Study	
TEACHING	Head Teaching Assistant	AY 2019–20
	Co-organizer, Graduate Development Seminar	AY 2019–20
	Instructor of Record, Math of Social Choice, Tufts University	Spring 2019, Summer 2019
	Recitation Leader, Calculus I, Tufts University	Fall 2019
	Recitation Leader, Calculus II, Tufts University	Spring 2017, Spring 2018, Fall 2018
	Mentor, Tufts Directed Reading Project	Summer 2016
SERVICE	Co-organizer, Tufts Directed Reading Program	AY 2018–20
	Organizer, Geometric Group Theory Reading Seminar	AY 2019–20
	Treasurer, Tufts Organization of Graduate Students in Mathematics	AY 2018–19
	Mathematics Department Graduate Union Steward	AY 2017–19
	Mathematics Department Representative, Tufts Graduate Student Council	AY 2017–18
	Graduate Student Member, Tufts Committee on Curricula	AY 2017–18
REFERENCES	<b>Kim Ruane</b> (Advisor) kim.ruane@tufts.edu	
	<b>Genevieve Walsh</b> genevieve.walsh@tufts.edu	
	<b>Robert Kropholler</b> robert.kropholler@tufts.edu	
OTHER	<b>Languages:</b> English (native), German (intermediate), Japanese (intermediate)	
	<b>Citizenship:</b> United States of America	