

RYLEE LYMAN

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INTERESTS	Geometric group theory, $CAT(0)$ groups, automorphisms of free groups, Coxeter groups	
EDUCATION	Tufts University , PhD in Mathematics (Advisor: Kim Ruane) Tufts University , MS in Mathematics Columbia University , BA in Mathematics (honors) & Music, <i>cum laude</i>	<i>expected</i> May 2020 May 2017 May 2015
RESEARCH	Train Tracks for Hyperelliptic Automorphisms of Free Groups	<i>in preparation</i>
TALKS	Folding Finite Graphs <i>Graduate Development Seminar, Tufts University</i> Introducing $\Pi \operatorname{Aut}(F_n)$ <i>GSTGC Lightning Talk, University of Illinois at Urbana-Champaign</i> Polynomially-growing Palindromic Automorphisms of Free Groups and $CAT(0)$ Free-by-cyclic Groups <i>Spring Topology and Dynamics Conference, University of Alabama at Birmingham</i> <i>Geometric Group Theory and Topology Seminar, Tufts University</i> Upper-Triangular Palindromic Free-by-Cyclic Groups are $CAT(0)$ <i>Student Seminar, Tufts University</i> Why $\operatorname{Aut}(F_n)$ is not $CAT(0)$ for $n \geq 3$ <i>Student Seminar, Tufts University</i> Groups out of Graphs <i>Student Seminar, Tufts University</i> Dihedral Artin Groups and Obstructions to Cubicality <i>Candidacy Exam, Tufts University</i>	Apr 2019 Mar 2019 Mar 2019 Nov 2018 Oct 2018 Apr 2017 Dec 2017
CONFERENCES & WORKSHOPS	Aspects of Geometric Group Theory <i>Participant, Institut des Hautes Études Scientifiques</i> Young Geometric Group Theory <i>Participant, Colegio Mayor Miguel de Unamuno</i> LG&TBQ <i>Contributing Speaker, University of Michigan</i> Graduate Student Conference in Algebra, Geometry and Topology <i>Participant, Temple University</i> Spring Opportunities Workshop <i>Participant, American Institute of Mathematics</i> Graduate Student Topology and Geometry Conference <i>Participant, University of Illinois at Urbana-Champaign</i> Spring Topology and Dynamical Systems Conference <i>Contributing Speaker, University of Alabama at Birmingham</i> Young Geometric Group Theory in the Midwest <i>Participant, University of Wisconsin at Madison</i> Women and Mathematics Program <i>Participant, Institute for Advanced Study</i>	July 2019 July 2019 June 2019 June 2019 Apr 2019 Mar 2019 Mar 2019 Oct 2018 May 2016

TEACHING	Instructor of Record, Math of Social Choice, Tufts University	Spring 2019, Summer 2019
	Recitation Leader, Calculus II, Tufts University	Spring 2017, Spring 2018, Fall 2018
	Mentor, Tufts Directed Reading Project	Summer 2016
SERVICE	Treasurer, Tufts Organization of Graduate Students in Mathematics	AY 2018–19
	Mathematics Department Graduate Union Representative	AY 2017–19
	Mathematics Department Representative, Tufts Graduate Student Council	AY 2017–18
	Graduate Student Member, Tufts Committee on Curricula	AY 2017–18
	Co-organizer, Tufts Directed Reading Program	Winter 2018
REFERENCES	Kim Ruane (Advisor) kim.ruane@tufts.edu	
	Genevieve Walsh genevieve.walsh@tufts.edu	
	Robert Kropholler robert.kropholler@tufts.edu	
OTHER	Languages: English (native), German (intermediate), Japanese (intermediate)	
	Citizenship: United States of America	