

Robyn Brooks

CONTACT INFORMATION	Department of Mathematics Tulane University 6823 St. Charles Avenue New Orleans, LA 70118	801-558-4839 rbrooks3@tulane.edu
RESEARCH INTERESTS	Algebraic Topology. In particular, understanding combinatorial algebraic topology of subword orders in DNA sequences.	
EDUCATION	Tulane University , New Orleans, LA Ph.D., <i>Mathematics</i> , <i>Expected</i> : May 2020 <ul style="list-style-type: none">• Advisor: Rafal Komendarczyk, Ph.D Leeds School of Business, University of Colorado at Boulder , Boulder, CO Masters of Science in Business Administration, Finance, May 2014 <ul style="list-style-type: none">• Advisor: Iulian Obreja, Ph.D Trinity University , San Antonio, TX B.A., Mathematics, Honors Graduate, June 2009	
RESEARCH EXPERIENCE	Leeds School of Business, University of Colorado at Boulder <ul style="list-style-type: none">• Hart Fellowship Researcher May 2012 – Aug 2012 SUNY Potsdam REU in Mathematics, Potsdam, NY <ul style="list-style-type: none">• Summer Researcher Jun – Aug 2008	
TEACHING EXPERIENCE	Tulane University, New Orleans, LA <ul style="list-style-type: none">• Teaching Assistant Calculus I, Fall 2015, Fall 2016, Statistics for Scientists, Spring 2016, Calculus III, Spring 2017, Linear Algebra, Fall 2017 University of Colorado at Boulder, Boulder, CO <ul style="list-style-type: none">• Instructor Introduction to Portfolio Management, Fall 2013• Teaching Assistant Introduction to Portfolio Management, Fall 2012 Girls Who Code Summer Immersion Program <ul style="list-style-type: none">• Lead Instructor IBM Campus, Austin, TX, Jun 2016 – Aug 2016• Lead Instructor Microsoft Campus, Seattle, WA, Jun 2017 – Aug 2017	
AWARDS	Student Awards — Tulane University, School of Science and Engineering <ul style="list-style-type: none">• Elizabeth Land Parks and Franklin Parks Scholar Aug 2016 – May 2017	

	Research Awards — UC Boulder, Leeds School of Business	
	• Hart Fellowship	May 2012 – Aug 2012,
TALKS/ PRESENTATIONS	<ul style="list-style-type: none"> • AWM Discussion Series Tulane University, New Orleans, LA <i>Finding Opportunities for Conferences, Workshops, Networking, etc.</i> • Graduate Student Colloquium, Tulane University, New Orleans, LA <i>A History of Women in Mathematics</i> 	Feb 2017 Apr 2017
POSTER PRESENTATIONS	<ul style="list-style-type: none"> • JMM Undergraduate Student Poster Session Washington D.C. <i>Decompositions of Various Compact Riemannian Symmetric Spaces</i> 	Jan 5 – 8, 2009
PEER-REVIEWED CONFERENCE PAPERS	<ul style="list-style-type: none"> • Sankalpa Kulkarni. Voice-Driven User Interaction. <i>Grace Hopper Celebration for Women in Computing</i>, Oct 2017 	
CONFERENCES / WORKSHOP PARTICIPATION	<ul style="list-style-type: none"> • Michigan State University, Lansing, MI Graduate Student Topology and Geometry Conference 	Apr 7 – 9, 2017
SERVICE	<ul style="list-style-type: none"> • AWM (Association for Women in Mathematics) Chapter, Treasurer, Tulane University • WISE (Women+ in Science and Engineering) Member • GSSA (Graduate Studies Student Association) Representative for Mathematics Department at Tulane University Library Advisory Board • GSSA (Graduate Studies Student Association) Treasurer • GAPSA (Graduate and Professional Student Association) Representative for GSSA 	Nov 2016 – Present Sep 2016 – Present Sep 2015 – Present April 2017 – Present Aug 2016 – Present
COMMUNITY OUTREACH	<ul style="list-style-type: none"> • Fall 2016, Spring 2017 GiST (Girls in STEM at Tulane) Welcome Table & Workshop Leader • Spring 2017, Fall 2017 BATS (Boys at Tulane in STEM), Welcome Table & Workshop Leader 	
REFERENCES	Rafal Komendarczyk Associate Professor Department of Mathematics Tulane University Mahir Can Associate Professor Department of Mathematics Tulane University Slawomir Kwasik Professor Department of Mathematics Tulane University	Phone: (504) 862-3459 E-mail: rako@tulane.edu Phone: (504) 862-3448 E-mail: mcan@tulane.edu Phone: (504) 862-3437 E-mail: kwasik@tulane.edu

