

*Brittney Ellzey*  
Curriculum Vita

Brittney Ellzey  
Department of Mathematics  
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## Education

<i>University of Miami</i>	<i>August 2012 - present</i>
Ph.D. in Mathematics (expected May 2018)	
Thesis Advisor: Michelle Wachs	
<i>Louisiana Tech University</i>	<i>August 2008 - May 2012</i>
B.S. in Mathematics	

## Appointments

<i>Teaching Assistant</i> , University of Miami Mathematics Department	<i>August 2015 - present</i>
<i>Research Assistant</i> , University of Miami Mathematics Department	<i>August 2014 - May 2015</i>
<i>Teaching Assistant</i> , University of Miami Mathematics Department	<i>August 2012 - May 2014</i>

## Honors and Awards

<i>Excellence in Teaching Award</i> , University of Miami	<i>2016 - 2017</i>
<i>CAS First Year Graduate Fellowship</i> , University of Miami	<i>2012 - 2013</i>
<i>Math Student of the Year</i> , College of Engineering and Sciences, LA Tech	<i>2011 - 2012</i>
<i>National Merit Scholar</i>	<i>2008 - 2012</i>

## Publications

- *Chromatic quasisymmetric functions of directed graphs*, accepted by Séminaire Lotharingien de Combinatoire. arXiv: 1612.04786.
- *A directed graph generalization of chromatic quasisymmetric functions*, Preprint. arXiv: 1709.00454.
- *On restricted Smirnov words enumerated by descent number*, in preparation, (with M. L. Wachs).

## Invited Presentations

<i>Combinatorics Seminar</i> , Brandeis University, Massachusetts	<i>November 2017</i>
<i>AMS Special Session</i> , SUNY Buffalo, New York	<i>September 2017</i>
<i>FPSAC</i> , London	<i>July 2017</i>
<i>Discrete Math Seminar</i> , University of South Carolina	<i>October 2016</i>
<i>AMS Special Session</i> , Bowdoin College, Maine	<i>September 2016</i>

## Other Talks

*Graduate Student Combinatorics Conference*, University of Kansas April 2017  
*Combinatorics Seminar*, University of Miami Nov 2015, April 2016, Feb 2017, October 2017  
*Graduate Student Seminar*, University of Miami  
March 2014, Oct 2014, March 2015, Oct 2015, Sept 2016, March 2017

## Conferences Attended

*GSCC*, Clemson University, South Carolina April 2016  
*AMS Sectional Meeting*, University of Georgia March 2016  
*AMS Joint Mathematics Meeting*, Seattle January 2016  
*GSCC*, University of Kentucky March 2015  
*Wachsfest*, University of Miami January 2015  
*Geometric and Enumerative Combinatorics*, IMA, University of Minnesota November 2014  
*Saganfest*, University of Florida March 2014  
*AMS Sectional Meeting*, Washington University, St. Louis October 2013

## Professional Service

- *President and Founder of the UM Graduate Student Chapter of the AMS*, (2015 - present)
- *UM Mathematics Graduate Student Seminar Organizer*, (2015 - 2017)
- *President of LA Tech chapter of Pi Mu Epsilon (Mathematics Honor Society)*, (2010 - 2012)

## Teaching Experience

MTH 101, College Algebra, University of Miami Summer 2014, Summer 2016,  
Summer 2017, Fall 2017  
MTH 108, Precalculus II, University of Miami Spring 2014, Spring 2017  
MTH 107, Precalculus I, University of Miami Fall 2013, Summer 2015, Fall 2016  
MTH 113, Finite Math, University of Miami Summer 2014, Spring 2016, Summer 2016  
MTH 161, Calculus I, University of Miami Fall 2015