

## Lea Beneish

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CONTACT INFORMATION	Emory University Department of Mathematics and Computer Science Math and Science Center, W431 400 Dowman Drive Atlanta, GA 30322  <i>Mobile:</i> +1-812-272-2646  lea.beneish@emory.edu
ACADEMIC INTERESTS	Modular forms, mock modular forms, moonshine, harmonic Maass forms
EDUCATION	<b>Emory University</b> , Atlanta, GA First year graduate student with advisors John F. R. Duncan and Ken Ono <ul style="list-style-type: none"><li>• NSF Fellow 2016-</li></ul> <b>Indiana University</b> , Bloomington, IN <ul style="list-style-type: none"><li>• Cox Research Scholar 2011-2015 Mentors: Michael J. Larsen and Matthias Weber</li><li>• Bachelor of Science Mathematics May 2015</li></ul>
PUBLICATIONS	<i>Umbral moonshine distribution.</i> With Victor Manuel Aricheta. In preparation <i>p-adic properties of certain half-integral weight modular forms.</i> With Claire Frechette. Accepted. <i>Journal of Number Theory.</i> <i>Traces of singular values of Hauptmoduln</i> With Hannah Larson. Accepted. <i>International Journal of Number Theory.</i> <i>Two kinds of Frobenius problems in <math>\mathbb{Z}[\sqrt{m}]</math></i> with Brent Holmes, Peter Johnson, and Tim Lai. <i>International Journal of Mathematics and Computer Science</i> , (7), no. 2, 93-100.
TEACHING EXPERIENCE	Calculus I M111 Instructor for Emory University, Fall 2016 Calculus Tutor for Emory University, 2015-2016. Grader M362 Probability Theory for Emory University, Spring 2016 Teaching Assistant QTM 120 Linear Algebra and Multivariable for Social Science for Emory University, Fall 2015 Teaching Assistant M221 Linear Algebra for Emory University, Fall 2015 Lecturer and Assistant for Emory University Math Circle, 2015-2016. Teaching Assistant M119 Calculus for Business for Indiana University, Fall 2012
CONFERENCE PRESENTATIONS ACADEMIC ACTIVITIES	<i>Traces of Singular Values of Hauptmoduln.</i> Poster at JMM 2015 San Antonio. REU at Emory, Special Participant Summer 2015 Association for Women in Mathematics–Indiana University Chapter Founder/President 2014-2015 REU at Emory, Summer 2014 REU California State University, San Bernardino, Summer 2013 REU at Auburn University, Summer 2012

AWARDS

NSF Graduate Fellowship Research Program 2016.

Rainard Benton Robbins Prize (from the Indiana University Math department, 2015)

Phi Beta Kappa

George H. and Ruth J. Asdell Scholarship (from the College of Arts and Sciences Indiana University 2014-2015)

Thelma Abell Prize (from the Indiana University Math department, 2013)

Ruth E. Gilliatt Memorial Scholarship (from the Indiana University Math department, 2012)

COMPUTING  
SKILLS

Programming experience in Sage, PARI/gp, Mathematica.