

EDUCATION	University of California, Los Angeles	
	Doctor in Philosophy, Mathematics	Aug. 2016 – Jun. 2021 (expected)
	Northwestern University	
	Bachelor of Arts in Mathematics with Honors	Sept. 2012 – Jun. 2016
	- Magna Cum Laude	
	- Major GPA: 3.96 / 4.00	
	- Cumulative GPA: 3.87 / 4.00	
	- Honors Thesis: <i>Fredholm Operators and the Family Index</i> , advised by Ezra Getzler	
RESEARCH EXPERIENCE	University of California, Santa Barbara	
	Undergraduate Research Student, Mathematics Department	Jun. 2015 – Aug. 2015
	- Project: <i>On sign characteristic preserving linearizations in $\mathbb{D}\mathbb{L}(P)$.</i>	
	- Advisor: Maribel Bueno	
	- Research areas: Matrix analysis, indefinite linear algebra, matrix polynomials.	
PUBLICATIONS	<u>J. Breen</u> , M. Bueno, S. Ford, and S. Furtado, <i>On the sign characteristic of Hermitian linearizations in $\mathbb{D}\mathbb{L}(P)$</i> . To appear in <i>Linear Algebra and its Applications</i> .	
CONFERENCES	<u>J. Breen</u> and S. Ford, <i>Sign Characteristic Preserving Linearizations in $\mathbb{D}\mathbb{L}(P)$</i> , Young Mathematicians Conference, The Ohio State University, Columbus, OH, Aug. 2015.	
ACADEMIC HONORS & AWARDS	Northwestern University	
	Dean's List	Fall 2012 – Spring 2016
	Outstanding Achievement in Mathematics by a Graduating Senior	May 2016
	Outstanding Contributions to Undergraduate Mathematical Life	May 2016
	Phi Beta Kappa	May 2015
	Outstanding Achievement in Mathematics by a Junior	May 2015
	Outstanding Contributions to Undergraduate Mathematical Life	May 2015
	Excellence as an Undergraduate Teaching Assistant	May 2015
	Outstanding Achievement in Mathematics by a Sophomore	May 2014
Excellence in Mathematics by a Freshman	May 2013	
TA EXPERIENCE	University of California, Los Angeles	
	Math 31B: Integration and Infinite Series	Spring 2017
	Math 31B: Integration and Infinite Series	Winter 2017
	Math 31B: Integration and Infinite Series	Fall 2016
	Northwestern University	
	Math 240-0: Linear Algebra	Spring 2016
	Math 224-0: Integral Calculus of One Variable Functions	Winter 2016
Math 230-0: Differential Calculus of Multivariable Functions	Fall 2015	
EECS 212-0: Mathematical Foundations of Computer Science	Fall 2015	

Math 230-0: Differential Calculus of Multivariable Functions	Winter 2015
Math 224-0: Integral Calculus of One Variable Functions	Winter 2015
Math 224-0: Integral Calculus of One Variable Functions	Fall 2014

**OTHER
EXPERIENCE****Northwestern University**

Athletic Tutor, Northwestern Athletic Department	Jan. 2015 – Jun. 2016
<i>Undergraduate Mathematics Society</i> Coordinator	Mar. 2015 – Jun. 2016
<i>Undergraduate Mathematics Society</i> Assistant Coordinator	Dec. 2014 – Mar. 2015
<i>Math & Mentors</i> study group leader	Sept. 2013 – Sept. 2014

Center for Talent Development

Teaching Assistant, Summer Program	Jun. 2014 – Aug. 2014
Teaching assistant for the following classes of 7th and 8th grade students: <i>Introduction to Java Programming</i> , <i>Web Development with Ruby on Rails</i> .	