

# Phillip James Jedlovec

---

Santa Clara University  
Department of Mathematics and Computer Science  
500 El Comino Real  
Santa Clara, CA 95053

Phone: (408)-554-6894  
[pjedlovec@scu.edu](mailto:pjedlovec@scu.edu)

## Research Interests:

- Algebraic topology. Homotopy theory.

## Degrees:

- Ph.D., Mathematics, University of Notre Dame. 2018  
Advisor: Mark Behrens  
Thesis: *Hopf rings and the Ando-Hopkins-Strickland Theorem*
- M.S., Mathematics, University of Notre Dame 2015  
Advisor: Mark Behrens
- B.A., Mathematics, Economics, Vanderbilt University 2013  
Computer Science minor, cum laude, Highest Honors in  
Mathematics, Honors in the College of Arts and Science

## Employment and Research Experience:

- UCLA Institute for Pure and Applied Mathematics June-August 2013  
*RIPS (Research in Industrial Projects for Students)*  
*Program Participant*  
Error-correcting codes and quantum communication
- LSU Department of Mathematics REU June-July 2012  
Whitney-Tutte polynomials of ribbon graph n-cables
- Vanderbilt Department of Mathematics April-May 2012  
*Research Assistant for Profs. Saff and Hardin*  
Energy minimization problems on the sphere
- Vanderbilt Department of Athletics September-December 2011  
*Tutor, Mathematics and Economics*

## Teaching Experience:

- Teaching assistant for Math 22860, Honors Calculus IV Spring 2018  
University of Notre Dame
- Instructor for Math 10560, Calculus II (flipped classroom) Spring 2017  
University of Notre Dame
- Instructor for Math 10110, Principles of Finite Math Spring 2016  
University of Notre Dame
- Instructor for Math 10240, Principles of Calculus (flipped classroom) Fall 2015  
University of Notre Dame
- Mathematics Teaching Seminar Participant Spring 2015  
University of Notre Dame
- Teaching assistant for Math 10360, Calculus B Spring 2015  
University of Notre Dame

- Teaching assistant for Math 10350, Calculus A University of Notre Dame Fall 2014

### Conferences Attended:

- Civitas Dei Seminar, Washington D.C. July 2018
- AMS-MAA Joint Mathematics Meetings, San Diego, CA January 2018
- Midwest Topology Seminar at Wayne State University November 2017
- Homotopy Theory: tools and applications at University of Illinois, Urbana-Champaign July 2017
- Lehigh University Geometry and Topology Conference May 2016
- Equivariant and Motivic Homotopy Theory Conference at Reed College May 2015
- Lehigh University Geometry and Topology Conference May 2015
- Graduate Student Geometry and Topology Conference at University of Illinois, Urbana-Champaign March 2015
- Midwest Topology Seminar at University of Illinois, Chicago February 2015
- Midwest Topology Seminar at Northwestern University October 2014
- Binghamton University Graduate Conference in Algebra and Topology October 2014
- AMS-MAA Joint Mathematics Meetings, Baltimore, MD January 2014
- Shenandoah Undergraduate Mathematics and Statistics (SUMS) Conference at James Madison University September 2012

### Talks Given:

- *The generalized homology of  $BU<2k>$*  March 2018  
AMS Sectional Meeting at Ohio State University
- *The generalized homology of  $BU<2k>$*  March 2018  
University of Illinois, Urbana-Champaign Topology Seminar
- *The generalized homology of  $BU<2k>$*  November 2017  
The Ohio State University Homotopy Theory Seminar
- *If you like it, then you should put a Hopf ring on it* September 2017  
Notre Dame Mathematics Graduate Student Seminar
- *Teaching in a Flipped Classroom* April 2017  
Notre Dame Mathematics Teaching Seminar
- *Non-Cooperative Games* October 2016  
Notre Dame Mathematics Graduate Student Seminar
- *Tangent Bundles* August 2016  
Notre Dame First-Year Math Bridge Program
- *"Basic Geometry and Topology" Introductory Talk* August 2015  
Notre Dame First-Year Math Graduate Student Orientation
- *The Implicit and Inverse Function Theorems* August 2015  
Notre Dame First-Year Math Bridge Program
- *Arrow's Impossibility Theorem* December 2014  
Notre Dame Mathematics Graduate Student Seminar
- *Whitney-Tutte Polynomials of Ribbon Graph  $N$ -cables* September 2012  
SUMS Conference at James Madison University

### Fellowships and Honors:

- Kaneb Center Outstanding Graduate Student Teacher Award 2017
- Arthur J. Schmitt Presidential Fellowship 2013 – 2018
- Dean's List, Vanderbilt College of Arts and Science  
(Fall 2009, Spring 2010, Fall 2010, Spring 2011, Fall 2011, Fall 2012, Spring 2013)
- NASA College Scholarship Fund, Inc. Scholarship 2009-2013
- Cornelius Vanderbilt Scholar 2009-2013
- National Merit Finalist 2009
- AP Scholar with Honors 2009

#### **Mathematics Service:**

- Organizer for the Valparaiso REU visit to Notre Dame July 2017
- Organizer for the Graduate Student Seminar April 2015-April 2017
- Treasurer, Mathematics Graduate Student Association  
April 2015-April 2017
- Organizer for the Valparaiso REU visit to Notre Dame July 2015
- Tutor at the Robinson Community Center Fall 2014-Spring 2015

#### **Memberships:**

- American Mathematical Society (AMS) 2014-present
- Mathematics Graduate Student Association (Notre Dame) 2013-present
- Society of Schmitt Fellows (Notre Dame) 2013-present
- Society of Schmitt Fellows Social Committee 2013-2014
- Phi Beta Kappa Honor Society 2013-present

#### **References:**

- References available upon request.