# Phillip James Jedlovec

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**Research Interests:**

- Algebraic topology. Homotopy theory.

**Degrees:**

- Ph.D., Mathematics, University of Notre Dame     2018 (expected)
  Advisor: Mark Behrens
  Thesis: *Hopf rings and truncated Brown-Peterson spectra*
- 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:**

- 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)
  University of Notre Dame     Fall 2015
- 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     Fall 2014
  University of Notre Dame

**Conferences Attended:**

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

**Talks Given:**

- *TBD*     March 2018
  AMS Sectional Meeting at Ohio State University
- *TBD*     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.