**Phillip James Jedlovec**

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**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)

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:**

* omoCivitas 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 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:**

* *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.