

# Jennifer George

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## Education

- The Ohio State University, Ph.D. in Mathematics, 2013.  
Advisor: Thomas Kerler  
Thesis Title: *TQFTs from Quasi-Hopf Algebras and Group Cocycles*
- The Ohio State University, M.S. in Mathematics, 2011.
- Miami University, B.S. *Magna Cum Laude*, 2006.  
Major: Mathematics and Statistics  
Minor: Computer Science

## Research

- Low-Dimensional Topology
- Topological Quantum Field Theories
- Undergraduate REU in Number Theory with Edray Goins (Purdue University)

## Publications

- J George, “A Hennings TQFT Construction for Quasi-Hopf Algebras” (Submitted) <http://arxiv.org/abs/1311.5650>.
- KP Analdi, AR Ford, JL George, KM Mugo, CE Phifer, “In Search of an 8: Rank Computations on a Family of Quartic Curves”, SUMSRI Journal, Summer 2005.

## Memberships in Professional and/or Honorary Societies

- Student Member, American Mathematical Society: 2006 - 2013
- Pi Mu Epsilon Honorary, Ohio Delta Chapter: 2005-2006

## Conferences Attended

- 2012 Knots in Washington XXXV  
(*Gave 20-minute research talk*)
- 2012 Topology Students Workshop at Georgia Tech  
(*Gave 20-minute research talk*)
- 2012 Moab Topology Conference
- 2011 Nebraska Conference for Undergraduate Women in Mathematics  
(*Invited Graduate Representative*)
- 2006 Joint Mathematics Meetings  
(*Undergraduate Poster Session Prize Winner*)

## Awards

### Graduate Awards

- 2011 and 2012 Departmental Special Graduate Assignment Award  
*Each award provides one quarter of funding without teaching duties.*
- 2009-2010 Phil Huneke Excellence in Teaching Award  
*Presented to 2 or 3 graduate students each year.*
- 2006-2007 Distinguished First-Year Graduate Teaching Associate Award  
*Presented to 5 to 10 beginning graduate students each year.*

### Undergraduate Awards

- 2005-2006 Kenneth Last Memorial Scholarship (Departmental)
- 2005 Corwin-Smith First Prize (Departmental)
- 2005 Comer-Reynolds Award (Departmental)
- 2004 Faculty Prize (Departmental)
- 2003 Kohler Prize (Departmental)
- 2002-2006 Ohio Academic Scholarship
- 2002-2006 Harrison Scholarship at Miami University

## Service

- 2012 Represented Ohio State at SUMSRI REU, Miami University  
(*Gave 10-minute presentation on Mathematics at Ohio State*)
- 2012 Volunteered with YMC Undergraduate Math Conference at Ohio State  
(*Drove participants to and from airport and hotel*)
- 2010 - 2013 Assisted with teacher training course for new graduate students  
(*Teaching demonstrations, discussion sessions, critique of students' teaching*)
- 2008 - 2011 Volunteered at Vineyard Free Medical Clinic  
(*Coordinated patients visiting clinic*)

## Teaching Experience

### Quarter System

- Math 50: Precollege Mathematics I (2011)
- Math 104: Basic College Mathematics (2008, 2010)
- Math 105: Fundamental Mathematical Concepts for Teachers I (2009)
- Math 106: Fundamental Mathematical Concepts for Teachers II (2009)
- Math 116: Excursions in Mathematics (2011, 2012)
- Math 130: Mathematical Analysis for Business I (2010)
- Math 148: Algebra and Trigonometry and their Applications (2008)
- Math 150: Elementary Functions (2006, 2007)
- Math 151: Calculus and Analytic Geometry I (2007)
- Math 152: Calculus and Analytic Geometry II (2009)
- Math 153: Calculus and Analytic Geometry III (2011)
- Math 162.02: Accelerated Calculus with Analytic Geometry II (2010)
- Math 254: Calculus and Analytic Geometry IV (2010)

### Semester System

- Math 1118: Mathematics for Architects (2013)
- Math 1125: Mathematics for Elementary Teachers I (2013)
- Math 1148: College Algebra (2012)