

# Julie La Corte

## CURRICULUM VITAE

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### EDUCATION

**Ph.D. in Mathematics, May 2015**

University of Wisconsin–Milwaukee

*Advisor:* Craig Guilbault

*Area of study:* Computational Geometry

**M.S. in Mathematics, December 2007**

Texas State University–San Marcos

*Advisor:* David Snyder

**B.A. in Liberal Arts, February 1998**

Hampshire College

*Area of study:* Liberal Arts

### EXPERIENCE

**Assistant Professor, September 2015–present**

Berry College

- > Instructor for Linear Algebra, Multivariable Calculus, Calculus I, Statistics, Precalculus, and Nature of Mathematics.

**Adjunct Lecturer, January–July 2015**

Saint Mary-of-the-Woods College

- > Lab instructor for Finite Mathematics.

**Graduate Teaching Assistant, September 2009–May 2015**

University of Wisconsin–Milwaukee

- > Primary instructor for Calculus I, Intermediate Algebra, Essentials of Algebra, and Contemporary Math.
- > Teaching assistant for online sections of Intermediate Algebra and Contemporary Math.
- > Grader for Functions of a Real Variable I and II.

**Adjunct Associate Professor, January 2008–August 2009**

Austin Community College

- > Primary instructor for Trigonometry, College Algebra, and College Mathematics.
- > Tutor for Calculus I, II, and III, Differential Equations, Probability and Statistics, and Intermediate Algebra.

**Graduate Teaching Assistant, August 2005–December 2007**  
Texas State University–San Marcos

- > Lab instructor for Pre-College Algebra and Basic Math.
- > Teaching assistant for Precalculus and Calculus.
- > Grader for Differential Equations.

**PRESENTATIONS**

*Numerical solution of the Dubins problem with free terminal direction in a state complex.* 31st Annual Workshop in Geometric Topology, Milwaukee, WI, June 14, 2014.

*Curvature-constrained path planning in a nonpositively curved cube complex.* Joint Mathematics Meetings, Baltimore, MD, January 18, 2014.

*Existence of solutions to the Dubins problem with free terminal direction in a nonpositively curved cube complex.* Faculty Topology Seminar, University of Wisconsin–Milwaukee, February–March, 2013.

*Classification of curves of constant curvature in the  $n$ -plane.* Faculty Topology Seminar, University of Wisconsin–Milwaukee, December 9, 2013.

**AWARDS**

Mark Lawrence Teply Award (University of Wisconsin–Milwaukee, 2014).

Chancellor’s Graduate Student Award (University of Wisconsin–Milwaukee, 2013-2015).

GAANN Fellowship (University of Wisconsin–Milwaukee, 2010-2013).

Award for Academic Excellence (Texas State University–San Marcos, 2006 and 2007).

**MEMBERSHIPS**

American Mathematical Society, 2012-present.

Society for Industrial and Applied Mathematics, 2011-present.