

Brady J Rocks

CURRICULUM VITÆ

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EDUCATION

- 2015** Ph.D. in Mathematics from Washington University in Saint Louis
2010 Masters of Arts in Mathematics from Washington University in Saint Louis
2006 Bachelor of Science in Mathematics from New Mexico State University.

PROFESSIONAL EXPERIENCE

- 2015–** Full-Time Evening Instructor, University of South Carolina

RESEARCH INTERESTS

Commutative Algebra, Affine Algebraic Geometry, and Polynomial Automorphisms

TEACHING

University of South Carolina

Math 122, Business Calculus

Math 141, Calculus I

Math 142, Calculus II

Math 241, Calculus III

Washington University in St. Louis

Instructor

Precalculus,

Matrix Algebra

Introduction to Statistics (2 times)

Teaching Assistant

Calculus III (3 times)

Calculus I

Calculus II (3 times)

TEACHING AWARDS

Robert McDowell Teaching Award

Spring 2012

TALKS

Code Breaking

Math Circle, Washington University in St. Louis, April 2011

Mathematical Auction

Math Circle, Washington University in St. Louis, April 2011

Embedded Associated Primes and the Conforti-Cornjuelos Conjecture

Combinatorics Seminar, Washington University in St. Louis, February 2012

Square-free Endomorphisms and the Jacobian Conjecture

Major Oral, Washington University in St. Louis, December 2011

Alexander Duality and Linear Resolutions

Combinatorics Seminar, Washington University, April 2011

The Equivalence between the Vanishing Conjecture and the Jacobian Conjecture

Minor Oral, Washington University in Saint Louis, December 2010

OTHER ACTIVITIES

Peer Mentor (2011-2012) Provided support, encouragement, and information for first and second year graduate students at Washington University in Saint Louis. Organized several social events so that new and old students could connect.

TA Training Orientation, Discussion Leader (Summer 2012) Led a group of new teaching assistants in the mathematics department in a discussion about teaching recitation sections, student expectations, as well as good and bad teaching habits.