

CONTACT INFORMATION

Lafayette College
Department of Mathematics
1 Pardee Dr.
Easton, PA 18042-1778

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+1 610 330 5906

CITIZENSHIP

Born October 11, 1987 in Burlington, Vermont, United States

RESEARCH INTERESTS

(Noncommutative) Algebraic geometry, derived categories, and category theory.

EDUCATION

Doctor of Philosophy, Mathematics May 12, 2018
University of South Carolina, Columbia, SC
Dissertation Title: Geometry of Derived Categories on Noncommutative Projective Schemes
Advisor: Matthew Ballard

Master of Science, Mathematics May 22, 2011
University of Vermont, Burlington, VT
Major Concentration: Abstract Algebra
Minor Concentration: Algebraic Number Theory

Bachelor of Science, Computer Science May 16, 2009
Rensselaer Polytechnic Institute, Troy, NY
Minors: Applied Mathematics and French

EMPLOYMENT

Visiting Assistant Professor July 2018 - Present
Lafayette College, Easton, PA

Graduate Teaching Assistant August 2012 - May 2018
University of South Carolina, Columbia, SC

Graduate Teaching Assistant August 2009 - May 2011
University of Vermont, Burlington, VT

PAPERS/PREPRINTS

with Matthew Ballard. *Kernels for Noncommutative Projective Schemes*. arXiv:1709.06470 Submitted

PRESENTATIONS

Kernels for Noncommutative Projective Schemes November 28, 2017
Graduate Colloquium
University of South Carolina, Columbia, SC

Kernels for Noncommutative Projective Schemes October 12, 2017
Algebra Seminar
University of New Brunswick, Fredericton, NB, CA

Kernels for Noncommutative Projective Schemes October 9, 2017
Algebra Seminar
Temple University, Philadelphia, PA

Kernels for Noncommutative Projective Schemes August 28, 2017
Algebraic Geometry Seminar
University of South Carolina, Columbia, SC

Noncommutative Projective Schemes May 13, 2016
Temple Graduate Student Conference in Algebra, Geometry, and Topology
Temple University, Philadelphia, PA

Noncommutative Projective Schemes May 14, 2016
Student Algebra/Number Theory Seminar
University of South Carolina, Columbia, SC

Fully Faithful Abstract Nonsense: November 2015
Representable Functors and The Yoneda Embedding
Graduate Colloquium
University of South Carolina, Columbia, SC

Fully Faithful Abstract Nonsense: July 2015
Representable Functors and The Yoneda Embedding
Graduate Student Algebraic Geometry, Commutative Algebra, and Number Theory Seminar
University of South Carolina, Columbia, SC

ORGANIZER

Student Algebra/Number Theory Seminar Summer 2016
University of South Carolina

Student Algebraic Geometry, Commutative Algebra, and Number Theory Seminar Summer 2015
University of South Carolina

Student Algebraic Geometry Seminar Spring 2015
University of South Carolina

Student Algebraic Geometry Seminar Fall 2014
University of South Carolina

CONFERENCES ATTENDED

<i>Georgia Algebraic Geometry Symposium</i> Georgia Institute of Technology, Atlanta, GA	February 23-25, 2018
<i>Workshop on Topics in Algebraic Geometry</i> The University of North Carolina at Chapel Hill, Chapel Hill, NC	November 3-5, 2017
<i>Palmetto Number Theory Series (PANTS) XXVIII</i> University of Tennessee, Knoxville, TN	September 16-17, 2017
<i>Georgia Algebraic Geometry Symposium</i> University of Georgia, Athens, GA	March 3-5, 2017
<i>Workshop on Symplectic Varieties and Geometric Representation Theory</i> The University of North Carolina at Chapel Hill, Chapel Hill, NC	October 28-30, 2016
<i>UGA-SWAG: Summer Workshop in Algebraic Geometry</i> University of Georgia, Athens, GA	August 26-29, 2016
<i>Temple Graduate Student Conference in Algebra, Geometry, and Topology</i> Temple University, Philadelphia, PA	May 14-15, 2016
<i>Georgia Algebraic Geometry Symposium</i> Emory University, Atlanta, GA	October 2015
<i>AMS Summer Institute on Algebraic Geometry</i> University of Utah, Salt Lake City, UT	July 27 - 31, 2015
<i>Georgia Algebraic Geometry Symposium</i> University of Georgia, Athens, GA	October 2014
<i>Arizona Winter School</i> University of Arizona, Tucson, AZ	March 2014
<i>Palmetto Number Theory Series (PANTS) XXI</i> Clemson University, Clemson, SC	December 2013
<i>Palmetto Number Theory Series (PANTS) XX</i> Davidson College, Davidson, NC	September 2013
<i>Algebraic Geometry Northeastern Series (AGNES)</i> Yale University, New Haven, CT	April 2013
<i>AMS Spring Western Sectional Meeting</i> University of Colorado, Boulder, CO	April 2013
<i>Palmetto Number Theory Series (PANTS) XIX</i> University of South Carolina, Columbia, SC	December 2012
<i>Palmetto Number Theory Series (PANTS) XVIII</i> Wake Forest University, Winston-Salem, NC	September 2012

TEACHING EXPERIENCE

LAFAYETTE COLLEGE

Easton, PA

Instructor of Record

Math 161 - Calculus I

Fall 2018

UNIVERSITY OF SOUTH CAROLINA

Columbia, SC

Instructor of Record

Math 142 - Calculus II

Spring 2018

Math 111 - Basic College Mathematics

Fall 2017

Math 122 - Calculus for Business Administration and Social Sciences

Spring 2017

Math 116 - Brief Precalculus Mathematics

Fall 2016

Math 170 - Finite Mathematics

Spring 2016

Math 116 - Brief Precalculus Mathematics

Fall 2015

Math 111 - Basic College Mathematics

Spring 2015

Math 115 - Precalculus Mathematics

Fall 2014

Math 142 - Calculus II

July 2014

Math 170 - Finite Mathematics

Spring 2014

Math 116 - Brief Precalculus Mathematics

Fall 2013

Math 111 - Basic College Mathematics

May - June 2013

Teaching Assistant

Math 141 - Calculus I

Spring 2013

Math 142 - Calculus II

Fall 2012

UNIVERSITY OF VERMONT

Burlington, VT

Instructor of Record

Math 019 - Fundamentals of Calculus I

Fall 2010

Math 017 - Applications of Finite Math

Summer 2010

Math 017 - Applications of Finite Math

Spring 2010

Math 017 - Applications of Finite Math

Fall 2009

PROFESSIONAL MEMBERSHIP

Member of the American Mathematical Society

SERVICE

University of South Carolina High School Math Contest Proctor

January 2015

University of South Carolina High School Math Contest Proctor

February 2014

University of South Carolina High School Math Contest Proctor

January 2013

HONORS

Rensselaer Medalist

2004

\$60,000 scholarship to Rensselaer Polytechnic Institute.

NON-ACADEMIC EMPLOYMENT

Associate

August 2011 - August 2012

Princeton Consultants, Inc, Princeton, NJ

Information Technology consultant.

Mountain Ambassador

Winters 2004-2008

Killington, Ltd., Killington, VT

The Killington Ambassador Program is an on-slope volunteer program designed to improve the experience of guests by providing local knowledge, information, directions, safety tips, and just about any other help a guest might need.