
CURRICULUM VITAE

JAMES RICCI

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Academic Appointment

- Assistant Professor of Mathematics, Daemen College, Sept. 2014 - Present.

Education

- Ph.D, Mathematics, Wesleyan University, May 2014.
 - Thesis Advisor: Wai Kiu Chan.
 - Thesis Title: Finiteness Results for Regular Ternary Quadratic Polynomials.
- B.A., Mathematics, Computer Science, Vassar College, 2006.

RESEARCH INTERESTS

- Number Theory, Quadratic Forms, Representations of Quadratic Polynomials, Cryptography, Coding Theory

PROFESSIONAL EXPERIENCE

- Publications:
 - (With J. Hatley and H. B. Daniels) Elliptic curves with maximally disjoint division fields, submitted for publication.
 - (With W. K. Chan) The representation of integers by positive ternary quadratic polynomials, *J. Number Theory* **156** (2015), 75-94.
 - (With J. Bajpai, S. Kimport, J. Liang, D. Ma) Bilateral series and Ramanujan's radial limits, *Proc. Amer. Math. Soc.* **143** (2015), pp. 479-492.
- Talks Given:
 - *Regular Ternary Quadratic Polynomials of Fixed Conductor* Automorphic Forms Workshop, University of Michigan, Mar. 2015
 - *The Representation of Integers by Positive Ternary Quadratic Polynomials*, University of Buffalo Algebra Seminar, SUNY University at Buffalo, Feb. 2015.
 - *The Representation of Integers by Positive Ternary Quadratic Polynomials*, Dartmouth Number Theory Seminar, Dartmouth College, Nov. 2014.
 - *Regular Quadratic Polynomials of Fixed Conductor*, Upstate Number Theory Conference, Buffalo, NY, Apr. 2014.
 - *Finding Representations of Polynomials: A Survey of Results From Euclid to Present Day*, Graduate Student Seminar, Wesleyan University, Feb. 2014.
 - *Finiteness Results for Regular Ternary Quadratic Polynomials*, AMS Special Session on Heights, Diophantine problems, and lattices, AMS Western Sectional Meetings, UC Riverside, Nov. 2013.
 - *Finiteness Results for Regular Ternary Quadratic Polynomials*, Algebra Seminar, Wesleyan University, Oct. 2013.

- *Finiteness Results for Regular Ternary Quadratic Polynomials*, Maine/Quebec Number Theory Conference, University of Maine, Oct. 2013.
 - *More Radial Limits of Ramanujan*, Arizona Winter School, University of Arizona, Mar. 2013.
 - *Finiteness Results for Regular Quadratic Polynomials*, Graduate Student Seminar, University of Connecticut, Mar. 2013.
 - *Representations and Regularity in Inhomogeneous Quadratic Polynomials*, Graduate Student Seminar, Wesleyan University, Oct. 2012.
 - *Hilbert’s Eleventh Problem: The Hasse Principle and Integral Quadratic Forms*, Graduate Student Seminar, Wesleyan University, Nov. 2011.
 - *A Classification of Quaternion Algebras*, Graduate Student Seminar, Wesleyan University, Apr. 2011.
 - *Higher Dimensional Lag-Time Sequences*, Undergraduate Research Summer Institute Symposium, Vassar College, Sep. 2006.
- Workshops/Conferences Attended:
 - *Mathematics of Lattices and Cybersecurity*, ICERM, Providence, RI, Apr. 2015.
 - *Automorphic Forms Workshop*, University of Michigan, MI, Mar. 2015.
 - *Project NExT/MAA MathFest*, Portland, OR, Aug. 2014.
 - *Building Bridges Summer School on Automorphic Forms*, University of Bristol, Bristol, UK, July 2014.
 - *Summer School in Computational Number Theory on Modular Forms and Geometry*, University of North Carolina, Greensboro, NC, May 2014.
 - *Upstate New York Number Theory Conference*, University of Buffalo, Buffalo, NY, Apr. 2014.
 - *Maine/Quebec Number Theory Conference*, University of Maine, Orono, ME, Oct. 2013.
 - *Upstate New York Number Theory Conference*, Binghamton University, Binghamton, NY, Apr. 2013.
 - *New Geometric Techniques in Number Theory*, MSRI Summer Graduate School, Berkeley, CA, June 2013.
 - *Arizona Winter School: Modular Forms and Modular Curves*, University of Arizona, Tucson, AZ, March 2013.
 - *Upstate New York Number Theory Conference*, University of Rochester, Rochester, NY, Apr. 2012.
 - *Maine/Quebec Number Theory Conference*, University of Maine, Orono, ME, Oct. 2011.
 - *Upstate New York Number Theory Conference*, Cornell University, Ithaca, NY, Apr. 2011.
 - *IMMERSE*, University of Nebraska-Lincoln, Summer 2009.
 - *Undergraduate Research Summer Institute*, Vassar College, Summer 2006.

Grants/Fellowships/Awards

- **NSF Grant DMS-1507126**
Awarded \$14,995 for the Upstate Number Theory Conference in Buffalo, NY, April 2018.
Co-PI with Joseph Hundley (SUNY at Buffalo).
- **Project NExT Fellow**, 2014-2015.
- **Graduate Student of the Year**, Wesleyan University Leadership Award, April 2014.
- **Departmental Honors** in both Mathematics and Computer Science, Vassar College, May 2006.

TEACHING EXPERIENCE

- Lecturer, Daemen College:
 - Fall 2014, *College Algebra, Precalculus, Linear Algebra.*
 - Spring 2015, *College Algebra, Business Calculus, Computer Science - Data Structures.*
- Lecturer, Wesleyan University:
 - Fall 2013, *Precalculus.*
 - Spring 2012, *Integral Calculus.*
- Graduate Teaching Assistant, Wesleyan University, Fall 2009 - Present.
 - Spring 2014, *Linear Algebra*
 - Spring 2013, *Real Analysis, Vectors and Matrices.*
 - Fall 2012, *Abstract Algebra.*
 - Fall 2011, *Introduction to Number Theory.*
 - Spring 2011, *Introduction to Computer Science.*
 - Fall 2010, *Supervisor in Mathematics Workshop.*
 - Spring 2010, *Discrete Mathematics.*
 - Fall 2009, *Supervisor in Mathematics Workshop.*
- Interdepartmental Mathematics Tutor, Feb. 2007 - May 2009, CUNY College of Technology.
- Online Tutor and Online Content Developer, June 2007 - Jan. 2011, Math Made Easy.

PROFESSIONAL SERVICES

- **Co-Organizer** (with Joseph Hundley), Upstate Number Theory Conference, Buffalo, NY April 2018.
- **Co-Organizer**, Project NExT Career Panel: *Starting Outreach Panels at Your University*, JMM - San Antonio, Jan. 12 2015.
- **Organizer**, *Graduate Career Symposium*, Wesleyan University, Jan. 25 2012.
- **Vice-President and Founding Member**, AMS Student Chapter-Wesleyan University, Apr. 2013 - Oct. 2013.
- **Triage Judge**, SIAM: Moody's Mega Math Challenge (M^3 Challenge), March 2014 and 2015.
- **Judge**, MAA Undergraduate Poster Session, JMM - San Antonio, Jan. 12 2015.
- **Moderator**, MAA Contributed Paper Session on Number Theory, JMM - San Antonio, Jan. 13 2015.
- **President**, Graduate Student Association, Wesleyan University, Aug. 2011- Aug. 2013.
- **Student Representative**, Graduate Council, Wesleyan University, Aug. 2011 - May 2014.
- **Vice-President**, Graduate Student Association, Wesleyan University, Aug. 2010- Aug. 2011.
- **Organizer**, Graduate Student Seminar, Wesleyan University, Sep. 2010-May 2014.

MEMBERSHIPS

- The American Mathematical Society.
- The Mathematical Association of America.

REFERENCES

Wai Kiu Chan (advisor)
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