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- EMPLOYMENT** University of Bristol and Heilbronn Institute of Mathematical Research, Bristol, UK, Fall 2017–present
 Heilbronn Research Fellow
- University of Michigan, Ann Arbor, MI, Fall 2011–Spring 2017
 Graduate Student Instructor (7 semesters)
 NSF RTG Fellow (2 semesters)
 Graduate Student Research Assistant (3 semesters)
- EDUCATION** University of Michigan, Ann Arbor, MI
 Ph.D., Mathematics, 2017
 Advisor: Jeffrey C. Lagarias
- University of Chicago, Chicago, IL
 B.S., Mathematics, with honors, 2011
- Budapest Semesters in Mathematics, Budapest, Hungary
 Mathematics coursework, Sept.–Dec. 2009
- RESEARCH** **Kronecker limit formulas for indefinite zeta functions.** In preparation.
- The theory of indefinite zeta functions.** In preparation.
- Indefinite Theta Functions and Zeta Functions.** Ph.D. Thesis, University of Michigan, 2017.
- Generating weights for the Weil representation of cyclic quadratic modules of even order** (with Luca Candelori and Cameron Franc). *Journal of Number Theory*, 180:474–497, 2017.
- The arithmetic geometry of resonant Rossby wave triads.** *SIAM J. Appl. Algebra Geometry*, 1(1):352–373, 2017.
- The limiting spectral measure for ensembles of symmetric block circulant matrices** (with Murat Koloğlu, Steven J. Miller; appendices with Frederick W. Strauch and Wentao Xiong). *Journal of Theoretical Probability*, 26(4):1020–1060, 2013.
- Robust coin flipping** (with John D. Wiltshire-Gordon). In *Advances in Cryptology—EUROCRYPT 2012*, pages 172–194. Springer Berlin Heidelberg, 2012.

On the number of summands in Zeckendorf decompositions (with Murat Koloğlu, Steven J. Miller, and Yinghui Wang). *Fibonacci Quarterly* 49(2):116–131, 2011.

Word-induced measures on compact groups (with John D. Wiltshire-Gordon). arXiv:1102.4353. Posted Feb. 2011.

TEACHING

Calculus II, University of Michigan, principal instructor, Fall 2015.

Calculus II, University of Michigan, principal instructor, Winter 2014.

Foundations of Computer Science, University of Michigan, teaching assistant, Fall 2013.

Calculus I, University of Michigan, principal instructor, Winter 2013.

Differential Equations, University of Michigan, teaching assistant, Fall 2012.

Calculus I, University of Michigan, principal instructor, Winter 2012.

Data, Functions & Graphs, University of Michigan, principal instructor, Fall 2011.

RESEARCH TALKS

The Arithmetic Geometry of Resonant Rossby Wave Triads. Pure Institute Meeting, University of Bristol, Fall 2017.

Indefinite Theta Functions and Zeta Functions. Linfoot Number Theory Seminar, University of Bristol, Fall 2017.

The Arithmetic Geometry of Resonant Rossby Wave Triads. University of Saskatchewan, Fall 2017.

Classification of Resonant Rossby Wave Triads. PDE Seminar, Georgia Institute of Technology, Fall 2016.

Generating Weights of Modules of Vector-Valued Modular Forms for the Weil Representation. AMS Special Session on Representation Theory, Automorphic Forms and Related Topics, Central AMS Sectional Meeting, Fall 2016.

The Arithmetic Geometry of Resonant Rossby Wave Triads. Central AMS Sectional Meeting, Fall 2016.

A Diophantine Problem from Meteorology: Determining the Wavenumber Set of Nontrivial Resonances of Rossby Waves. Chicago Number Theory Day, University of Illinois at Chicago, Spring 2015.

Conjectural Generalizations of Elkies-McMullen. Arizona Winter School, University of Arizona, Winter 2015.

The Function Field Chowla Conjecture. Arizona Winter School, University of Arizona, Winter 2014.

- Eigenvalue Statistics for Toeplitz and Circulant Ensembles** (with Murat Koloğlu, Steven J. Miller, and Karen Shen). The 2nd Institute of Mathematical Statistics Asia Pacific Rim Meeting, Tsukuba, Japan, Summer 2012.
- Robust Coin Flipping**. EECS Theory Seminar, University of Michigan, Winter 2012.
- Robust Coin Flipping** (with John D. Wiltshire-Gordon). CRYPTO 2011, University of California, Santa Barbara, Summer 2011.
- Distributions of Eigenvalues of Real Symmetric m -Circulant Matrices**. Young Mathematicians Conference, Ohio State University, Fall 2010. Won Third Prize, Outstanding Presentation Competition.
- LECTURES **Brauer Groups**. Mini-course, University of Michigan, Summer 2013.
11 talks in graduate student and reading seminars, 2012–16.
- Measure Theory**. Mini-course, Ross Mathematics Program, Summer 2008.
- OUTREACH Led and facilitated three Michigan Math Circles for high school and middle school students, 2012–15.
- Course assistant for Knot Theory course for high school students at the Young Scholars Program, University of Chicago, Summer 2009.
- Co-instructor of Number Theory Seminar for high school students at the Ross Mathematics Program, The Ohio State University, Summer 2008.
- Counselor at the Ross Mathematics Program, The Ohio State University, Summers 2007 and 2008.
- COMPUTER
SKILLS LaTeX, Mathematica, Magma, GAP, PARI/GP, C, Python, Scheme, HTML, UNIX shell.