JACK R. DALTON

Department of Mathematics
University of South Carolina
1523 Green Street #104A
Columbia, SC 29205

jrdalton@math.sc.edu
1 (508) 360 7988

Education

2017-	**Doctoral Candidate**, Mathematics, GPA: 3.8 / 4.0 University of South Carolina - Columbia
2015-2017	**Master of Science**, Mathematics, GPA: 3.8 / 4.0 University of Vermont Thesis: An Exposition of Selberg's Sieve
2002-2006	**Bachelor of Science**, Mathematics, GPA: 3.8 / 4.0 University of Massachusetts Dartmouth Graduated Summa Cum Laude

Research Interests

*Analytic Number Theory * Sieve Methods * L-functions * Distribution of Primes *

Talks Given

2016 – Am I a Seminar – UVM Math Graduate Student Seminar
          "Introduction to Zhang's Bounded Prime Gaps Proof"
2016 – Am I a Seminar – UVM Math Graduate Student Seminar
          "Selberg's Sieve"
2017 – unQVNTS – Extension of Quebec Vermont Number Theory Seminar
          "Sieve Methods and How They Relate to Bounded Gaps Between Primes"
2017 – UVM Graduate Seminar – "e is Transcendental"

Conferences Attended

2007 – Joint Math Meetings – New Orleans, LA
2016 – QVNTS – McGill University and Concordia University, Montreal, Quebec
2016 – Super QVNTS - Kummer Classes and Anabelian Geometry – University of Vermont
2016 – Rubin Fest - L-functions and Arithmetic – Harvard University
2016 – CTNT – Summer School and Conference – University of Connecticut
2016 – Quebec-Maine Number Theory Conference – Universite Laval, Quebec City, Quebec
2018 – PANTS XXVII – University of Tennessee Knoxville
2018 – CTNT – Summer School and Conference - University of Connecticut
2018 – PANTS XXXI – University of South Carolina

Honors and Awards

Commonwealth Scholar, University of Massachusetts Dartmouth
Stanley Z. Koplik Certificate of Mastery Award, State of Massachusetts, Dept. of Education
Louis Simeone Award, Academic Excellence, UMass Dartmouth
Lawrence Kennison Award, Academic Excellence, UMass Dartmouth
AP Scholar with Honor Award, College Board

Work Experience

University of Vermont, Burlington, VT
Teaching:
Fall 2016: Math 19 Fundamentals of Calculus I.
Spring 2017: Math 17 Applications of Finite Math.
Tutoring:
Help Sessions – Drop-in Tutoring for College Algebra, Precalculus, and Calculus I and II.
Grading:
Fall 2016: Analysis of Several Real Variables I.
Spring 2017: Abstract Algebra I.

University of South Carolina, Columbia, SC
Teaching:
Fall 2017: Teaching Assistant - Calculus I
Spring 2018: Teaching Assistant - Calculus II
Summer 2018: Instructor of Record - Applied Linear Algebra and Applied Linear Algebra Lab
Fall 2018: Instructor of Record - Precalculus
Spring 2019: Instructor of Record - Business Calculus

Volunteer/Other

2018 32nd High School Mathematics Contest - University of South Carolina
Worked for Sage Days 87, July 17-22, 2017, UVM, Burlington, VT

Exams and Certificates

HarvardX Certificate CS50x: Introduction to Computer Science 1
SOA Exam P / CAS Exam 1: Passed
SOA Exam FM / CAS Exam 2: Passed
SOA Exam MFE / CAS Exam 3F: Passed
SOA VEE Economics: Approved
SOA VEE Corporate Finance: Approved