Dylan T. Yott
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Education

UC Berkeley **Berkeley, CA**
Ph. D Candidate in Mathematics, 3rd year **Expected Graduation: 2019**
    Research: Elliptic Curves, Arithmetic geometry, Automorphic forms

Boston University **Boston, MA**
B.A. in Mathematics, *magna cum laude* **Graduated: May 2014**
    Undergraduate Research: Varieties over Finite Fields, Representation Theory, Spectral Graph Theory

Research Interests

- Gross-Zagier Formulae
- Arithmetic Intersection Theory
- Automorphic Forms

Employment

PROMYS **Boston, MA**
Counselor Summer 2012-2014
- Helped high school students learn the basics of number theory from an axiomatic point of view through personal interaction and grading of daily problem sets.

Art of Problem Solving **San Diego, CA**
Instructor July 2015-Present
- Taught Intermediate Algebra, Number Theory, Counting and Probability and AMC classes online.

Teaching

University of California, Berkeley **Berkeley, CA**
Graduate Student Instructor (GSI) Fall 2014- Present
- Served as GSI for Calculus 1 and Multivariable Calculus, Head GSI for Linear Algebra.
- Graded for Honors Abstract Algebra and Algebraic Topology.
- Served as instructor for Introductory Number Theory in Summer 2015.

Publications, Presentations and Seminars

- August 2011: Tyler Reese, Antoni Brzoska, Dylan Yott, Daniel J. Kelleher. "Analyzing Self-Similar and Fractal properties of the C. *elegans* Neural Network ", **PLoS ONE**, Publication from REU.
- January 2014: "Maximal Varieties over Finite Fields arising from Algebraic Groups and ℓ-adic Representations of their Symmetry Groups", **Joint Mathematics Meetings**, Outstanding Poster Award.
- October 2014: "Newman's Conjecture in Function Fields", **Journal of Number Theory, Volume 157**, Publication.
- Fall 2015-Present: Organizer of the Student Number Theory Seminar **UC Berkeley**, Seminar.

Awards

- NSF GFRP Honorable Mention 2014, 2015, 2016
- Marvin I. Freedman Award in Mathematics

Extracurricular Activities and Related Skills

- Member of the Berkeley Math Graduate Student Association.
- Experience with Sage, LaTeX, Python, Java, and Matlab.