

## Contact Information

Wesleyan University  
Department of Mathematics & Computer Science  
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## Education

Ph.D. student in Mathematics, Wesleyan University, August 2015 – present.  
Advisor: Felipe A. Ramirez.

B.A. in Mathematics, B.A. in Computer Science, Manhattan College, August 2011 – May 2015.

## Publications

(with H. Tyler) *Measurement and comparison of passing networks in collegiate soccer*. Minnesota Journal of Undergraduate Mathematics, [S.l.], v. 1, n. 1, Dec. 2015.

## Talks

*A brief glance at Ergodic Theory*, Graduate Student Seminar, Wesleyan University, February 2017.

*A look at the \$25,000,000,000 eigenvector*, Graduate Student Seminar, Wesleyan University, October 2016.

*Defensive Forwards and Offensive Backs: The 2013 Season of Manhattan College Womens Soccer*, Joint Mathematics Meetings, San Antonio, January 2015.

Travel partially funded by an MAA grant.

## Conferences Attended

*Graduate Student Conference in Algebra, Geometry, and Topology*, Temple University, June 2017.

*Upstate New York Number Theory Conference*, Binghamton University, May 2017.

*2017 Joint Mathematics Meetings*, Atlanta, GA, January 2017.

*2015 Joint Mathematics Meetings*, San Antonio, TX, January 2015.

## Teaching Experience

*Instructor*, Wesleyan University.

As the sole instructor I wrote lesson plans, created worksheets, and developed quizzes and exams for the following:

- *Introductory Calculus I*, Fall 2017.
- *Introductory Calculus II*, Spring 2017.

*Graduate Teaching Assistant*, Wesleyan University.

- *Discrete Structures*, Fall 2016  
I held office hours and graded homework.
- *Math Workshop*, Spring 2016  
I helped students understand lecture notes and homework assignments for varying math classes including: Abstract Algebra, Linear Algebra, Multivariable Calculus, and Probability.
- *Introduction to Programming*, Fall 2015  
I held office hours and graded homework.

## Research Experience

*Polygonal Billiards Research Cluster*, Tufts University, July – August 2017.

Participated in multiple projects during the research cluster. This work is still ongoing.

*Jasper Summer Research Fellowship*, Manhattan College, June – August 2014.

Analyzed the Manhattan College Women's Soccer team, the Jaspers, from a Network Theory perspective.

## Services

*Webmaster*, Graduate Student Association (GSA), Wesleyan University, May 2017 – present.

*Graduate Community Standards Board member*, GSA, Wesleyan University, May 2017 – present.

*President*, AMS Local Chapter, Wesleyan University, August 2016 – present.

## Computing Skills

*Programming Languages*: C, C++, Java, Javascript, PHP, Python.

*Other*: LaTeX, HTML5, CSS3, Markdown, SQL, NodeJS, MS Office, Maple, Linux, Windows, git, GitHub.