

## Contact Information

Wesleyan University  
Department of Mathematics & Computer Science  
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## Education

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

**B.A. in Mathematics, B.A. in Computer Science, Manhattan College**, 2011 — 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

*Lecturer for Introductory Calculus II*, Wesleyan University, Spring 2017.

As the instructor I wrote lesson plans, created worksheets, and developed quizzes and exams.

*Graduate Teaching Assistant*, Wesleyan University:

- *Discrete Structures*, Fall 2016,  
I held office hours and graded homework.
- *Math Workshop*, Spring 2016,  
I helped students do homework and understand lecture notes 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**

*Jasper Summer Research Fellowship*, Manhattan College, New York, June - August 2014.

Analyzed the Manhattan College Women's Soccer team, the Jaspers, from a Network Theory perspective. Found strengths and weaknesses among the players using standard measures from Network Theory. Also quantified the similarity between the Jaspers and the 2010 Men's World Cup Top 16 teams.

## **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.