

# Rocco Davino

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1409 West Green Street

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## Education

### University of Illinois Urbana-Champaign

Urbana, IL

PhD in Mathematics

August 2019 – Present

Advisor: Philipp Hieronymi. *GPA: 3.93.*

### Wesleyan University

Middletown, CT

MA in Mathematics

August 2018 – May 2019

Advisor: Cameron Hill. *GPA: 4.00.*

BA in Mathematics with High Honors

August 2014 – May 2018

*GPA: 3.92.*

## Honors and awards

List of Teachers Ranked as Outstanding by their Students

Fall 2020

Rice Prize in Mathematics from Wesleyan University

Spring 2019

Phi Beta Kappa Society

Spring 2019

## Publications

### On a Model-Theoretic Approach to a Special Case of the Erdős-Hajnal Conjecture

*Master's Thesis, Wesleyan University, 2019.*

## Research experience

### IGL Team Leader

Mentor: Philipp Hieronymi (UIUC)

June 2021

Led a team of talented high school students for the Illinois Geometry Lab summer research program. Duties included teaching fundamentals of theoretical computer science and numeration systems, guiding the students through reading a research paper, and generalizing a result from the paper. See the wiki page at <https://wiki.illinois.edu/wiki/display/IGLSU21/Project+4%3A+Some+Applications+of+Theoretical+Computer+Science>.

### Graduate Research Assistant

Mentor: Philipp Hieronymi (UIUC)

Summer 2020 & Summer 2021

Researched the structure of definable sets in  $d$ -minimal expansions of the real field.

## Teaching experience

### Teaching Assistant, Department of Mathematics (UIUC)

Math 231: Calculus II

Spring 2021

Math 220: Calculus I

Fall 2019 & Fall 2020

Math 234: Business Calculus I

Spring 2020

**Teaching Assistant, Department of Mathematics & Computer Science  
(Wesleyan University)**

MATH231: An Introduction to Probability

Fall 2018

MATH228: Discrete Mathematics

Spring 2018

MATH121: Calculus I, Part I

Fall 2017

[Talks](#)

**On the Radon-Nikodym Theorem**

*Honors Presentation, Wesleyan University, May 2018*