

Dionel Jaime

University of Wisconsin-Madison
Department of Mathematics
Madison WI, 53706

Email: djaime@wisc.edu
Website: math.wisc.edu/djaime
Office: Van Vleck 416

Education

University of Wisconsin- Madison
PhD in Mathematics
PhD Advisor: Amos Ron

Madison, Wisconsin
Fall 2019 - Present

University of Rochester
Bachelor of Science in Mathematics (with Honors)
Thesis Advisor: Alex Iosevich

Rochester, New York
Spring 2018

Research Experience

University of Wisconsin, Madison
Splines, Jack Polynomials, and Time Frequency Analysis
Advisor: Amos Ron

University of Rochester
Frames/Stationary Phase and Harmonic Analysis
Advisor: Alex Iosevich

Purdue University
Dessin d'Enfants and Belyi Maps
Advisor: Edray Goins

Teaching Experience

University of Wisconsin, Madison	
Teaching Assistant – Math 319 (Differential Equations)	Spring 2021
Teaching Assistant Coordinator - Math 234 (Multivariable Calculus)	Fall 2020
Teaching Assistant - Math 222 (Calculus II)	Summer 2020
Teaching Assistant - Math 319 (Differential Equations)	Spring 2020
Teaching Assistant - Math 222 (Calculus I)	Fall 2019

Johns Hopkins Center for Talented Youth	
Primary Instructor – Number Theory*	Summer 2020
Primary Instructor – Number Theory	Summer 2019

C2 Education

Grade School Math Tutor Spring 2019

University of Rochester

Teaching Assistant – Math 236H (Honors Abstract Algebra) Spring 2018

Teaching Assistant – Math 235 (Linear Algebra) Fall 2017

Teaching Assistant – Math 240 (Pointset Topology) Spring 2017

Teaching Assistant – Math 235 (Linear Algebra) Fall 2016

Awards/Fellowships

Graduate Research Fellowship

National Science Foundation Spring 2021

Ford Fellowship (Honorable Mention)

Ford Foundation Spring 2021

MSRI Summer School Invitation*

Mathematical Sciences Research Institute Fall 2019

Advanced Opportunity Fellowship

University of Wisconsin – Madison Spring 2019

Physical Sciences Award

University of Wisconsin – Madison Spring 2019

Dean's Transfer Student Scholarship

University of Rochester Fall 2015

Talks/Conferences

Tiling in Vector Spaces Over Finite Fields

Graduate Number Theory Seminar Spring 2021

Approximation and Learning with Greedy Algorithms

Graduate Mathematical Data Science Seminar Fall 2020

Sum of Squares Method in Geometry, Combinatorics, and Optimization*

Mathematical Sciences Research Institute Summer 2020

The Fuglede Conjecture over Finite Fields

Number Theory Seminar Fall 2019

Method of Stationary Phase and Applications University of Rochester	Spring 2018
Dessin d'Enfants and Belyi Maps University of Indiana Undergraduate Research Conference	Summer 2016

Outreach

Graduate Student Mentor Peer Mentor	Fall 2020
Directed Reading Program Undergraduate Mentor	Spring 2019
Visit Day for Prospective Graduate Students* Organizer	Spring 2019
Grad STEM for All REU Graduate Assistant	Summer 2018

*Cancelled due to Covid 19