RACHEL BAILEY

• https://rachelbailey3.github.io/RachelBailey.github.io/

∠ rachel.bailey@uconn.edu

EDUCATION

University Of Connecticut, Doctoral Candidate, Mathematics	F'19 - Present
Advisors: Masha Gordina and Maxim Derevyagin	
University of Connecticut Bachelor of Arts, Mathematics Minor in statistics	F'16-F'18
Three Rivers Community College	Sp'15 -Sp'16
WORK EXPERIENCE	
UConn Mathematics REU Graduate Mentor* Laplacian Eigenmaps	Su'23
UConn Mathematics REU Graduate Mentor * Fractional Gaussian Fields on Surfaces and Graphs	Su'22
Complex Analysis (Graduate) Grader	Sp'22
University of Connecticut Complex Analysis (Graduate) Preliminary Exam Tutor	W'20, W'21
UConn Instructor/ Teaching Assistant	F'19-Presen
Undergraduate Math tutor at UConn Q-Center Tutoring	Sp'18, F'18
*Duties included of teaching an introduction to probability, helping write abstracts for the Conference, and directing students through the process of research and writing a research per conference.	_
EACHING EXPERIENCE	
MATH 1071Q Calculus for Business and Economics primary instructor	F'23
MATH 2410Q Elementary Differential Equations primary instructor	Sp'23
MATH 2110Q Multivariable Calculus teaching assistant	F'22
MATH 1132Q Calculus 2 teaching assistant	F'21
MATH 1060Q Pre Calculus primary instructor	F'20
MATH 1132Q Calculus 2 teaching assistant	Sp'20
MATH 1131Q Calculus 1 teaching assistant	F'19

HONORS AND AWARDS

Louis J. Deluca Memorial Award: Excellence in Teaching	Sp'23
Connie Strange Graduate Community Award	Sp'23
UConn Provost "Excellence In Teaching"	Sp'20, F'20
UConn Babbidge Scholar	Feb . '17
UConn Aetna Award nominee for The Language of Mathematics	Jan. '17
RVICE	
UConn Directed Reading Program Mentored an undergraduate student through a semester-long independent study on random walks	Sp'23 on graphs
MathCounts Volunteer grader	Feb. '23
UConn SIGMA Organizer Organized speakers for the weekly SIGMA seminar	F'22-Sp'23
Volunteer math tutor for the UConn Women in Math, Science and Engineering learning communi	ty Sp'22, F'22
Vice President of AMS Graduate Student Chapter	F'20-Present
Graduate Student Mentor Mentored first year graduate students	F'20-Present
UCONN AMS Integration Bee Oct. '19, March '20, Octoor Organized and judged the integration bee for undergraduate students both online and in person	ct. '21, and Oct. '22
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Dec. '22
Nov. '22
Sept. '22
Mar. '22
Mar. '22
Mar. '22
Oct. '21
July '19
Sept. '18
F'22-Present
Inducted Apr. '19
Upcoming Ja. '24
Upcoming Jan. '24
Upcoming Jan. '24
July. '23
Jan. '23
F'22
Oct. '22
Aug. '22
May '22
Mar. '22
Oct. 21
F'20
Nov. '20
July '19

HOBBIES

I enjoy figure skating, bike riding (the Island Line Rail Trail in Burlington, VT is beautiful) and going on walks with my miniature dachshund, Chouffy. I also love to travel; my favorite places so far are Bruges, Vienna, Lille, Davos, and Freiburg.