Contact Information	210A Locy Hall 1850 Campus Dr. Evanston, IL 60208 USA	website: https://math.northwestern.edu/~nlohr/ email: nlohr@math.northwestern.edu	
Education	Northwestern University Thesis advisors: Jared Wunsch and Ste	ern University September 2020 - Present sors: Jared Wunsch and Steven Zelditch	
	Northwestern University M.S. in Mathematics	September 2019 - September 2020	
	University of Notre Dame B.S. in Mathematics with minor in Act Senior thesis advisor: Jeffrey Diller	August 2015 - May 2019 uarial Science, magna cum laude	
Research Interests	Analysis of PDE, semiclassical analysis, spectral and scattering theory, mathematical physics and Wigner distributions, probability, quantum dynamics.		
Research	 Papers Semiclassical measures of eigenfunctions of the hydrogen atom, submitted Mar 2023. Scaling asymptotics of Wigner distributions of harmonic oscillator orbital cohere states, Communications in Partial Differential Equations 48(2023), 415-439. 		
	 Talks 87th Midwest PDE Seminar Microlocal Seminar 	Notre Dame, Spring 2023 Northwestern, Spring 2023	
	 Conferences Oberwolfach Seminar 2347a 87th Midwest PDE Seminar 	Oberwolfach, Germany, Fall 2023 Notre Dame, Spring 2023	
TEACHING	Northwestern Teaching Assistant	Fall 2019 - Present	
Assisting and Grading	 Evanston, IL Assisted teaching and graded for the Single-Variable Calculus with Pre Single-Variable Calculus with Pre Probability Theory and Stochasti MENU Applied Analysis (MATH Complex Analysis and Group Th MENU Applied Analysis (MATH Fourier Analysis and Boundary V Single-Variable Calculus with Pre MENU Probability and Stochasti Probability Theory and Stochasti Sequences and Series (MATH 226) Elementary Differential Equation 	ecalculus (MATH 218-1) Fall 2023 ecalculus (MATH 218-1) Fall 2022 ic Analysis (MATH 450-1) Fall 2022 ic Analysis (MATH 450-1) Winter 2022 eory for ISP (MATH 382-0) Fall 2021 I 360-1) Fall 2021 Value Problems for ISP (MATH 381-0) Fall 2021 ecalculus (MATH 218-2) Spring 2021 ic Processes (MATH 311-3) Fall 2020 ic Analysis (MATH 450-3) Fall 2020	
	• Probability and Stochastic Proces		

*only graded

Community Service	Northwestern Directed Reading Program Evanston, IL	Spring 2021 - Present		
	• Advised undergraduates in undertaking and presenting independent study projects in mathematics			
	 Levi Hoogendoorn - Grace-Heawood theorems Claire Paré - Isoperimetric and isodiametric inequalities 	Winter 2023		
	 Colin Brennan - Lagrange inversion theorem with applications in analysis, algebra, and topology Winter 2022 			
	• Kole Butterer - Brownian motion and the Dirichlet problem with SageMath visualization Spring 2021			
	Northwestern Causeway Certificate Program Mentor Summer 2023-present Evanston, IL			
	 Advised the following postbaccalaureate students in preparing for graduate school Xzavier Herbert 			
	Northwestern Climate Committee Member Evanston, IL	2022-2023		
	• Met quarterly to discuss how to improve graduate students members	well-being with faculty		
Awards and	NSF RTG Dynamics: Classical, Modern, and Quantum Recipie	ent 2022-2023		
Grants	Department Graduate Student Teaching Assistant Award	2021-2022		
	NSF RTG: Analysis on Manifolds Recipient	2020-2022		
	GE Prize for Excellence in Mathematics - Honors	2019 2018		
	College of Science Summer Undergraduate Research Fellowship			
	Riverbend Math Center Award for Excellence in Quantitative Bayer Physical Science Award for Excellence in Physical Science			
	Hoosier Science-Engineering Fair Award	2013 2014		
	Mu Alpha Theta Science Fair Award	2014 2014		
	University of Notre Dame Mathematics Department Award	2014		
Programming Skills	Emacs, C++, Mathematica, MATLAB, LaTeX, SageMath, Py	thon		