Contact Information	210A Locy Hall 1850 Campus Dr. Evanston, IL 60208 USA	website: https://nick-lohr.github.io/ email: nlohr@math.northwestern.edu	
Education	Northwestern University Ph.D. in Mathematics, Thesis advisors: Jared Wunsch and Ste	September 2020 - Summer 2025 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, harmonic analysis, probability, quantum dynamics.		
Research	 Papers On the intertwining map between Coulomb and hyperbolic scattering, submitted September 2024. Semiclassical measures of eigenfunctions of the hydrogen atom, under revisions for Annales Henri Poincaré. Scaling asymptotics of Wigner distributions of harmonic oscillator orbital coherent states, Communications in Partial Differential Equations 48(2023), 415-439. 		
	 Talks Northwestern Informal Probability S Northwestern Undergraduate Math RTG Dynamics REU 87th Midwest PDE Seminar Microlocal Seminar Graduate Student Seminar 		
	 Microlocal Analysis and Quantum I Paris-Saclay conference in Analysis From Microlocal to Global Analysis Oberwolfach Seminar 2347a 87th Midwest PDE Seminar May Midwest Microlocal Meeting 		
Teaching Assisting and Grading	 Northwestern Teaching Assistant Evanston, IL Assisted teaching and grading for th Single-Variable Calculus with Pro with Sonja Mapes Probability and Stochastic Proce with Ursula Porod 	ecalculus (MATH 218-3) Spring 2024	

	 Single-Variable Calculus with Precalculus (MATH 218-2) – with Sonja Mapes 	Winter 2024			
	Probability and Stochastic Processes (MATH 310-2) – with Keith Burns				
	$\circ~$ Single-Variable Calculus with Precalculus * (MATH 218-1)	Fall 2023			
	 with Sonja Mapes Single-Variable Calculus with Precalculus (MATH 218-1) with Sonja Mapes 	Fall 2022			
	 Probability Theory and Stochastic Analysis (MATH 450-1) – with Antonio Auffinger • MENU Applied Analysis (MATH 360-2) – with Eugene Kushnirsky Complex Analysis and Group Theory for ISP (MATH 382-0) 	Winter 2022			
	with Ezra GetzlerMENU Applied Analysis (MATH 360-1)	Fall 2021			
	 with Eugene Kushnirsky Fourier Analysis and Boundary Value Problems for ISP (MATH 381-0) with Santiago Cañez 				
	 Single-Variable Calculus with Precalculus (MATH 218-2) with Sean McAfee 	Spring 2021			
	MENU Probability and Stochastic Processes (MATH 311-3) – with Ursula Porod Probability Theory and Stochastic Analysis (MATH 450-3))			
	with Antonio AuffingerSequences and Series (MATH 226-0)	Fall 2020			
	 with Eric Zaslow Elementary Differential Equations (MATH 250-0) with Eric Chang 				
	 Probability and Stochastic Processes[†] (MATH 310-2) – with Keith Burns 	Winter 2020			
Community	RTG Dynamics REU Advisor Evanston, IL	Summer 2023			
SERVICE Evanston, IL • Advised undergraduates biweekly in undertaking and presenting research in tonian dynamics					
		g 2021 - Winter 2023			
	 Evanston, IL Advised undergraduates in undertaking and presenting independent in mathematics 	ndent study projects			
	 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 Su 2025 Evanston, IL Advised the following post-baccalaureate students in preparing 				

^{*}two sections

 $^{^{\}dagger} \mathrm{only}\ \mathrm{graded}$

	• Xzavier Herbert			
	Northwestern Climate Committee Member Evanston, IL	2022-2023		
	• Met quarterly to discuss how to improve graduate students well-being with facult members			
	Head Juror of First Degree Murder Trial Chicago, IL	Winter 2022		
	• Served jury duty for Cook County and was voted to be the jury's foreperson			
Awards and	Nominated by Math Department for the University Teaching Award	2024		
Grants	NSF RTG Dynamics: Classical, Modern, and Quantum Recipient	2022-2023		
	Department Graduate Student Teaching Assistant Award	2021-2022		
	NSF RTG: Analysis on Manifolds Recipient	2020-2022		
	GE Prize for Excellence in Mathematics - Honors	2019		
	College of Science Summer Undergraduate Research Fellowship	2018		
	Riverbend Math Center Award for Excellence in Quantitative Analysis	2015		
	Bayer Physical Science Award for Excellence in Physical Science	2015		
	Hoosier Science-Engineering Fair Award	2014		
	Mu Alpha Theta Science Fair Award	2014		
	University of Notre Dame Mathematics Department Award	2014		
Programming	LaTeX Pro	ficient		
Skills		ficient \blacksquare		
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