

EDUCATION	University of California, Berkeley	2025-
	PhD in Mathematics.	
	University of Cambridge	2024-2025
	Master of Advanced Studies in Pure Mathematics, graduated with Distinction. Funded by Churchill Scholarship.	
	Williams College	2019-2024
	BA in Mathematics and Computer Science, GPA 3.94/4.00.	
	Magna Cum Laude, Highest Honors in Mathematics.	
PUBLICATIONS	1. Low lying zeros of Rankin-Selberg L-functions. <i>Journal of Number Theory</i> (2026).	
	2. On the moments of one-level densities in families of cusp forms in the level aspect (with Peter Cohen, Justine Dell, Oscar E. González, Geoffrey Iyer, Simran Khunger, Chung-Hang Kwan, Steven J. Miller, Alicia Smith Reina, Carsten Sprunger, Nicholas Triantafillou, Nhi Truong, Roger Van Peski, Stephen Willis, Yingzi Yang). <i>Algebra & Number Theory</i> . In press (2025).	
	3. Modular forms and an explicit Chebotarev variant of the Brun-Titchmarsh theorem (with Daniel Hu & Hari Iyer). <i>Research in Number Theory</i> (2023).	
	4. Adversarial agent-learning for cybersecurity: a comparison of algorithms (with Erik Hemberg, Miguel Tulla, & Una-May O'Reilly). <i>The Knowledge Engineering Review</i> (2023).	
	5. Limiting Spectral Distributions of Families of Block Matrix Ensembles (with Teresa Dunn, Henry L. Fleischmann, Faye Jackson, Simran Khunger, Steven J. Miller, Luke Reifenberg, & Stephen Willis). <i>PUMP Journal of Undergraduate Research</i> (2022).	
	6. Self-similar sets with arbitrary Hausdorff and box-counting dimension. <i>The Pi Mu Epsilon Journal</i> (2021).	
	7. Analyzing Student Reflection Sentiments and Problem-Solving Procedures in MOOCs (with Robert Gold, Erik Hemberg, ByeongJo Kong, Ana Bell, & Una-May O'Reilly). <i>Proceedings of the Eighth ACM Conference on Learning @ Scale</i> (2021).	
RESEARCH	Williams College	September 2022 – August 2023
EXPERIENCE	Undergraduate thesis work in analytic number theory under Steven J. Miller.	
	University of Virginia	June 2022 – July 2022
	Research in analytic number theory under Ken Ono and Jesse Thorner.	
	Williams College	June 2021 – August 2021
	Research in analytic number theory and random matrix theory under Steven J. Miller.	
	MIT Computer Science and Artificial Intelligence Lab	June 2020 – June 2021
	Research in applied machine learning under Erik Hemberg and Una-May O'Reilly.	
AWARDS	<i>NSF GRFP Honorable Mention</i>	April 2025
	<i>Rosenburg Prize in Mathematics</i> , Williams College Math Dept.	June 2024
	<i>Phi Beta Kappa</i> , Williams College	June 2024
	<i>Sigma Xi</i> , Williams College	June 2024
	<i>Churchill Scholarship</i>	December 2023
	<i>Goldwater Scholarship</i>	April 2023

TALKS	<ul style="list-style-type: none"> • <i>Representations of reductive groups over local fields</i>. Berkeley student number theory seminar, October 2025. • <i>Extending support for the centered moments of the low lying zeros of cuspidal newforms</i>. 34th Automorphic Forms Workshop, March 2022. • <i>Extending support for the centered moments of the low lying zeros of cuspidal newforms</i> (with Simran Khunger). Maine-Quebec Number Theory Conference, October 2021. • <i>Limiting Spectral Distributions of Families of Block Matrix Ensembles</i> (with Teresa Dunn, Henry Fleischmann, & Stephen Willis). Young Mathematicians Conference, August 2021. • <i>Analyzing student reflection sentiments and problem-solving procedures in MOOCs</i>. Eighth ACM Conference on Learning @ Scale, June 2021. 			
CONFERENCES ATTENDED	Park City Math Institute 34th Automorphic Forms Workshop Maine-Quebec Number Theory Conference Eighth ACM Conference on Learning @ Scale		July – August 2022 March 2022 October 2021 June 2021	
TEACHING & OUTREACH	Teaching Asst. Teaching Asst. Teaching Asst. Teaching Asst. Referee Referee Mentor	Math 54 Lin. Alg. & Diff. Eq. Math 383 Complex Analysis Math 409 Putnam Seminar Math 250 Linear Algebra Journal of Number Theory PUMP Jour. of Undergrad Research Prison Math Project	UC Berkeley Williams College Williams College Williams College	Fall 2025 Fall 2023 Fall 2022 Spring 2022
RELEVANT SKILLS	Languages: English (native speaker), Russian (intermediate) Programming: C++, Java, Python			