

EDUCATION	University of California, Berkeley PhD in Mathematics.	2025-
	University of Cambridge Master of Advanced Studies in Pure Mathematics, graduated with Distinction. Funded by Churchill Scholarship.	2024-2025
	Williams College BA in Mathematics and Computer Science, GPA 3.94/4.00. Magna Cum Laude, Highest Honors in Mathematics.	2019-2024
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 EXPERIENCE	Williams College Undergraduate thesis work in analytic number theory under Steven J. Miller. University of Virginia Research in analytic number theory under Ken Ono and Jesse Thorner. Williams College Research in analytic number theory and random matrix theory under Steven J. Miller. MIT Computer Science and Artificial Intelligence Lab Research in applied machine learning under Erik Hemberg and Una-May O'Reilly.	September 2022 – August 2023 June 2022 – July 2022 June 2021 – August 2021 June 2020 – June 2021
AWARDS	<i>NSF GRFP Honorable Mention</i> <i>Rosenburg Prize in Mathematics</i> , Williams College Math Dept. <i>Phi Beta Kappa</i> , Williams College <i>Sigma Xi</i> , Williams College <i>Churchill Scholarship</i> <i>Goldwater Scholarship</i>	April 2025 June 2024 June 2024 June 2024 December 2023 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. Math 54 Lin. Alg. & Diff. Eq. Teaching Asst. Math 383 Complex Analysis Teaching Asst. Math 409 Putnam Seminar Teaching Asst. Math 250 Linear Algebra Referee Journal of Number Theory Referee PUMP Jour. of Undergrad Research Mentor 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		