

Finn McGlade

CONTACT INFORMATION	University of Oklahoma Department of Mathematics 601 Elm Ave Room, Norman , Oklahoma 73019 USA finn.mcglade@ou.edu
RESEARCH INTERESTS	Number Theory and Algebra– especially in relation to automorphic forms and theta correspondences
EMPLOYMENT	Department of Mathematics, The University of Oklahoma Postdoctoral Research Associate/Lecturer (<i>August 2025-Present</i>)
EDUCATION	University of California San Diego Ph.D. in Mathematics (<i>September 2019-June 2025</i>) • Dissertation: On the Fourier-Jacobi Expansion of Quaternionic Modular Forms on $\text{Spin}(8)$. • Advisor: Aaron Pollack University of Melbourne Bachelor of Science (<i>March 2015-November 2018</i>)
RESEARCH WORKS	McGlade, F. “On the Fourier Jacobi Expansion of Modular Forms on Quaternionic Groups in Types B and D”, <i>in preparation</i> Hu, B., Johnson-Leung, J., McGlade, F., Pollack, A., Roy, M. “Deligne’s Conjecture on G_2 ”, <i>in preparation</i> Hilado, B., McGlade, F., Yan, P. “Fourier Coefficients and Algebraic Cusp Forms on $U(2, n)$ ”, <i>submitted</i> https://arxiv.org/abs/2404.17743 . Johnson-Leung, J., McGlade, F., Negrini, I., Pollack, A., Roy, M. “The Quaternionic Mass Spezialschar on Split $SO(8)$ ”, <i>submitted</i> https://arxiv.org/abs/2401.15277 . McGlade, F., Ram, A., Yang, Y. “Positive level, negative level, and level zero”, <i>Schubert Calculus and Its Applications in Combinatorics and Representation Theory</i> , Springer Proc. Math. Stat. 332, Springer, Singapore (2020) 153-194, https://arxiv.org/abs/1907.11796 .
SELECTED TALKS	AMS Special Session on Geometry and Representation Theory of Quantum Algebras, Riverside, November 2019 UCSD Algebra seminar, San Diego, February 2020 UCSD Number Theory Seminar, San Diego, November 2022 AMS Special Session on Automorphic Forms, their Arithmetic, and their Applications, Creighton, October 2023

University of Arizona Number Theory Seminar, Tucson, November 2023

UCSD Number Theory Seminar, San Diego, November 2023

36th Annual Workshop on Automorphic Forms, Stillwater, May 2024

JHUnion Number Theory Days 2024/25, Baltimore, February 2025

CONFERENCES AND WORKSHOP PARTICIPATION *Arizona Winter School: Automorphic Forms Beyond GL_2* at The University of Arizona, Tucson, AZ, USA. (Winter 2022)

Minimal Representations and the Theta Correspondence at The Erwin Schrödinger Institute for Physics and Mathematics, Vienna, Austria. (Spring 2022)

A Pair of Automorphic Workshops at The University of Oregon, Eugene, OR, USA. (Summer 2022)

Squares Workshop at The American Institute of Mathematics, Pasadena, CA, USA. (August 2023 & September 2024)

Texas-Oklahoma Representations and Automorphic Forms XIII at The University of North Texas, Denton, TX, USA. (April 2024)

International Conference on L-Functions and Automorphic Forms at Vanderbilt University, Nashville, TN, USA. (May 2024)

TEACHING EXPERIENCE	Spring	2019	Tutor, Accelerated Mathematics I, The University of Melbourne.
	Fall	2019	Teaching Assistant, MATH 18 Linear Algebra, UCSD.
	Spring	2020	Teaching Assistant, MATH 18 Linear Algebra, UCSD.
	Summer	2020	Teaching Assistant, MATH 103A Modern Algebra, UCSD.
	Fall	2020	Teaching Assistant, MATH 31AH Honours Linear Algebra, UCSD.
	Winter	2021	Teaching Assistant, MATH 187A Intro to Cryptography, UCSD.
	Spring	2021	Teaching Assistant, MATH31CH Honours Vector Calculus, UCSD.
	Summer	2021	Teaching Assistant, MATH 120A Complex Analysis, UCSD.
	Fall	2021	Head Teaching Assistant, MATH 18 Linear Algebra, UCSD.
	Winter	2022	Teaching Assistant, MATH 105 Basic Number Theory, UCSD.
	Winter	2022	Teaching Assistant, MATH 18 Linear Algebra, UCSD.
	Spring	2022	Teaching Assistant, MATH 140B Real Analysis II, UCSD.
	Fall	2022	Teaching Assistant, MATH 100A Abstract Algebra I, UCSD
	Winter	2023	Teaching Assistant, MATH 100B Abstract Algebra II, UCSD
	Spring	2023	Primary Instructor, MATH 20D Differential Equations, UCSD.
	Summer	2023	Teaching Assistant, MATH 20B Calculus II, UCSD.
	Summer	2023	Teaching Assistant, MATH 10A Calculus for Engineers I, UCSD.
	Fall	2023	Teaching Assistant, MATH 2 Intro to College Mathematics, UCSD.
	Winter	2024	Teaching Assistant, MATH 142A Intro to Analysis I, UCSD.
	Spring	2024	Teaching Assistant, MATH 102 Applied Linear Algebra, UCSD.
	Fall	2024	Teaching Assistant, MATH 20D Differential Equations, UCSD.
	Winter	2025	Teaching Assistant, MATH 10C Calculus III, UCSD.
	Spring	2025	Teaching Assistant, MATH 3C Precalculus, UCSD.

SERVICE

	2018, 2019	Volunteer Tutor with the Institute for Inquiring Minds
	2020	Co-organizer UCSD RTG Graduate Seminar
	2022	Co-lead RTG Graduate Directed Reading for Undergraduates
	2023	Project Leader for UCSD Mathathon
	2023	Events Coordinator for UCSD Chapter of AWM
	2024, 2025	Volunteer Tutor with San Diego Refugee Tutoring
RELEVANT SKILLS	Languages:	English (fluent) Spanish (basic speaking, intermediate reading and writing)