

EDUCATION	University of California, Santa Barbara Ph.D. in Mathematics (pursuing)	September 2019 - present
	University of Oklahoma M.A. in Mathematics	August 2014 - May 2017
	University of California, Davis B.S. in Mathematics	September 2010 - June 2014
PAPERS	2. "Skein Theory of Affine ADE Subfactor Planar Algebras" (in preparation) 1. "A Determinant Formula of the Jones Polynomial for a Family of Braids" with D. Asaner, S. Kumar, A. Pease, and A. Poudel (in preparation)	
RESEARCH INTERESTS	Quantum algebra, low-dimensional topology, operator algebras, tensor categories, diagrammatic algebras, subfactors, structure and classification of C^* -algebras, knot theory, quantum groups	
CURRENT RESEARCH PROJECT	"Nuclear Dimension of Crossed Products by Hilbert Bimodules over Commutative C^* -algebras", Project leaders: Marzieh Forough and Karen Strung, Members: Ja A Jeong, Preeti Luthra, Melody Molander, and Zahra Hasanpour-Yakhdani	
AWARDS	National Science Foundation Travel Grant - \$ 1350	2023
	Operator Algebra Mentor Network Grant - \$ 500	2023
	Decolvenaere Research Accelerator Award - UCSB Graduate Division - \$8000	2023
	Individualized Professional Skills (IPS) Grant - UC Santa Barbara - \$1000	2023
	Department of Mathematics Graduate Fellowship - University of Oklahoma - \$3000	2015
	Richard V. Andree Memorial Scholarship - University of Oklahoma - \$2000	2015
	Yueh-Jing Lin Fund - UC Davis - \$2500	2013
TALKS	14. "Skein Theory for Index 4 Subfactor Planar Algebras"	March 2024
	Southeastern Lie Theory Workshop: Quantum Structures in Lie Theory, University of Virginia	
	13. "Using Diagrams to Describe Quantum Symmetries of Subfactors"	February 2024
	Women in Mathematics in Southern California Symposium, Pomona College	
	12. "Skein Theory of Index 4 Subfactor Planar Algebras" Joint Mathematics Meetings, "Knots, Skein Modules, and Categorification" Special Session	January 2024
	11. "Skein Theory for Affine ADE Subfactor Planar Algebras" Claremont Topology Seminar, Claremont McKenna College	November 2023
	10. "Skein Theory for Affine ADE Subfactor Planar Algebras" Twinned Conference on C^* -Algebras and Tensor Categories, Fields Institute (in person) and ICMS (streamed live)	November 2023
	9. "Skein Theory of Subfactor Planar Algebras"	August 2023
	Young Mathematicians in C^* -Algebras, KU Leuven	
	8. "Skein Theory for Index 4 Subfactor Planar Algebras"	May 2023
	Great Plains Operator Theory Symposium, The Ohio State University	
	7. "Diagrammatic Presentations of Affine Type A Subfactor Planar Algebras of Index 4"	May 2023

	AMS Spring Western Sectional, "Algebraic Structures in Knot Theory" Session, Fresno State	
	6. <i>"Skein Theory for Affine ADE Subfactor Planar Algebras"</i>	May 2023
	Moab Topology Conference, Utah State University - Moab	
	5. <i>"Skein Theory of Affine Type A Subfactor Planar Algebras"</i>	March 2023
	Redbud Topology Conference, University of Oklahoma	
	4. <i>"Diagrammatic Presentations of Index 4 Planar Algebras"</i>	March 2023
	Underrepresented Students in Topology and Algebra Symposium, University of Washington	
	3. <i>"Skein Theory for Affine ADE Subfactor Planar Algebras"</i> Quantum Groups Seminar (Zoom), Université de Lille & University of Oslo	March 2023
	2. <i>"Diagrammatic Presentations of Index 4 Subfactor Planar Algebras"</i>	December 2022
	Tech Topology Conference, Georgia Tech	
	1. <i>"Diagrammatic Presentations of Affine Type A Subfactor Planar Algebras of Index 4"</i>	July 2022
	Topology Students Workshop, Georgia Tech	
POSTERS	3. <i>"Diagrammatic Presentations of Affine Type A Subfactor Planar Algebras of Index 4"</i>	June 2022
	BRIDGES Conference, Poster Session, University of Utah	
	2. <i>"Comparing Voting Systems Using Kemeny Rankings"</i>	April 2014
	Undergraduate Research Conference, Student Poster Session - UC Davis	
	1. <i>"Comparing Voting Systems Using Kemeny Rankings"</i>	February 2014
	MAA Golden Section Meeting, Student Poster Session - Sonoma State University	
TEACHING	Lead TA - UC Santa Barbara	Fall 2022 - Spring 2023
	Provided professional development and TA training to new mathematics department TAs	
	Teaching Assistant - UC Santa Barbara	Fall 2019 - present
	MATH 108AB - Introduction to Linear Algebra	
	MATH 8 - Transition to Higher Mathematics	
	MATH 6A - Vector Calculus I	
	MATH 6B - Vector Calculus II	
	MATH 34B - Calculus for Social and Life Sciences	
	Associate Instructor - UC Santa Barbara	Summer 2020 &
	MATH 6A - Vector Calculus I	Summer 2021
	MATH 4A - Linear Algebra with Applications	
	Adjunct Mathematics Professor - Cosumnes River College	Spring 2018 - Spring 2019
	MATH 30 - Pre-Algebra	
	STAT 300 - Introduction to Statistics and Probability	
	MATH 20 - Arithmetic	
	Teaching Assistant - University of Oklahoma	Fall 2015 - Spring 2017
	MATH 1743 - Business Calculus I	
	MATH 1914 - Calculus 1 (Fast Track)	
	MATH 2924 - Calculus 2 (Fast Track)	

MATH 1823 - Calculus 1

Instructor of Record - University of Oklahoma

MATH 1823 - Calculus 1

MATH 1503 - College Algebra

Fall 2014 - Summer 2015 &
Summer 2016

WORKSHOPS

Quantum Invariants and Low-dimensional Topology

American Institute of Mathematics (AIM)

Women in Operator Algebras 3

Banff International Research Station (BIRS)

August 2023

June 2023

MENTORSHIP

UCSB Directed Reading Program Mentor

REU Graduate Mentor, UCSB

Women in STEM Mentor, UCSB

December 2019 - June 2023

June 2022 - August 2022

September 2019 - June 2022

SERVICE

AWM Student Chapter at UCSB, Secretary

Directed Reading Program at UCSB Co-Organizer

Graduate Quantum Algebra and Topology Seminar Co-Organizer, UCSB

AWM Chapter at UCSB Founder and President

Quantum Algebra and Topology Seminar Co-Organizer, UCSB

June 2023-present

December 2020 - July 2023

July 2023 - January 2024

August 2022 - June 2023

September 2021 - June 2022

ORGANIZATION MEMBERSHIPS

Operator Algebra Mentor Network - Mentee

February 2023 - present