

Jennifer Wilson

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RESEARCH INTERESTS

Stability phenomena in topology, algebra, representation theory, and arithmetic groups

EMPLOYMENT

University of Michigan, Ann Arbor, MI, USA
 Assistant Professor, Sept 2018 –

Stanford University, Stanford, CA, USA
 Szegő Assistant Professor, Sept 2014 – Aug 2018

EDUCATION

University of Chicago, Chicago, IL, USA

Ph.D., Mathematics, June 2014

Dissertation: $FI_{\mathcal{W}}$ -modules and stability criteria for representations of the classical Weyl groups

- Advisor: Benson Farb
- Secondary advisor: Peter May

M.S., Mathematics, June 2011

Queen's University, Kingston, ON, Canada

B.Sc. Honours, Mathematics, May 2009

SELECTED HONOURS & AWARDS

NSF CAREER DMS-2142709, National Science Foundation (US\$450,000) Jul 2022 – Jun 2027

NSF Award DMS-1906123, National Science Foundation (US\$204,621) Aug 2019 – Jul 2022

AMS–Simons Travel Grant, American Mathematical Society (US\$4000) Jul 2015 – Jun 2018

Lawrence and Josephine Graves Teaching Prize, Chicago Math Dept. (US\$1000) 2013
 Awarded to fourth year graduate lecturers for effective and responsible teaching

PGS D Postgraduate Fellowship, NSERC (CAD\$63,000 over three years) 2011–2014

McCormick Fellowship, University of Chicago (US\$9000 over two years) 2009–2011

PGS M Postgraduate Fellowship, NSERC (CAD\$17,300) 2009–2010

Undergraduate Student Research Award, NSERC May–Aug 2009
 Summer Research on *Littlewood Richardson coefficients and Coxeter Groups*

with Mike Roth and Ivan Dimitrov

Governor General's Academic Silver Medal, Canadian Government
Highest GPA at time of undergraduate graduation from Queen's University May 2009

Prince of Wales Prize, Queen's
Student graduating honours B.Sc. having the best academic record at Queen's May 2009

Medal in Mathematics and Statistics, Queen's May 2009

Irene MacRae Prize in Mathematics and Statistics, Queen's May 2009

Undergraduate Student Research Award, NSERC May–Aug 2008
Summer Research on *Free Probability and Random Matrices*
with Roland Speicher and James Mingo

N. Miller Assistanceship in Math Education, Queen's (CAD\$1300) 2007, 2008

13 additional awards from Queen's University (2005–2007)
for academic achievement in mathematics, statistics, physics, and chemistry.

PUBLICATIONS &
PREPRINTS

Representation stability in the (co)homology of vertical configuration spaces,
with D Baron*, U Pal, C Wang*, and C Yang*. (*REU mentee)
ArXiv preprint ArXiv:2412.01128.

On rank filtrations of algebraic K-theory and Steinberg modules,
with J Miller and P Patzt.
ArXiv:2303.00245. To appear in the Journal of the European Mathematical Society (JEMS).

On the codimension-two cohomology of $SL_n(\mathbb{Z})$,
with B Brück, J Miller, P Patzt, and R Sroka.
Advances in Mathematics 451 (2024): 109795.

Stability properties of moduli spaces, with R Jiménez Rolland.
Notices of the AMS 69.4 (2022). (Expository).

Mapping class group actions on configuration spaces and the Johnson filtration,
with A Bianchi and J Miller.
Transactions of the American Mathematical Society 375, no. 08 (2022): 5461-5489.

On the generalized Bykovskii presentation of Steinberg modules,
with A Kupers, J Miller, and P Patzt.
International Mathematics Research Notices 2022, no. 13 (2022): 10347-10401.

FI-hyperhomology and ordered configuration spaces, with J Miller.
Proceedings of the AMS 148.3 (2020), 993-1002.

Non-integrality of some Steinberg modules, with J Miller, P Patzt, and D Yasaki.
Journal of Topology 13.2 (2020), 441-459.

Quantitative representation stability over linear groups, with J Miller.
International Mathematics Research Notices 2020.22 (2020), 8624-8672.

Central stability for the homology of congruence subgroups and the second homology of Torelli groups, with J Miller and P Patzt.
Advances in Mathematics 354 (2019), 106740.

Stability for hyperplane complements of type B/C and statistics on squarefree polynomials over finite fields, with R Jiménez Rolland.
The Quarterly Journal of Mathematics 70.2 (2019), 565-602.

Higher order representation stability and ordered configuration spaces of manifolds, with J Miller.
Geometry & Topology 23.5 (2019), 2519-2591.

Generating functions and statistics on spaces of maximal tori in classical Lie groups, with J Fulman and R Jiménez Rolland.
New York Journal of Mathematics 23 (2017), 165-191.

Convergence criteria for $\mathrm{FI}_{\mathcal{W}}$ -algebras and polynomial statistics on maximal tori in type B/C, with R Jiménez Rolland.
Advances in Mathematics 310 (2017), 121-158.

$\mathrm{FI}_{\mathcal{W}}$ -modules and constraints on classical Weyl group characters.
Mathematische Zeitschrift, Volume 281, Issue 1 (2015), Pages 1-42.

$\mathrm{FI}_{\mathcal{W}}$ -modules and stability criteria for representations of the classical Weyl groups.
Journal of Algebra, 420 (2014), 269-332.

Representation stability for the cohomology of the pure string motion groups.
Algebraic & Geometric Topology, 12 (2012), 909-931.

Decomposing Inversion Sets of Permutations and Applications to Faces of the Littlewood-Richardson Cone with R. Dewji, I. Dimitrov, A. McCabe, M. Roth, and D. Wehlau.
Journal of Algebraic Combinatorics, 45 (2017), no. 4, 1173-1216.

The Noncommutative Cycle Lemma, with C Armstrong, J A Mingo, and R Speicher.
Journal of Combinatorial Theory, Series A, 117 (2010), no. 8, 1158-1166.

TEACHING
EXPERIENCE

Instructor, University of Michigan
Math 797 (Topics: combinatorial topology) Winter 2024
Math 592 (Algebraic topology) Winter 2021, 2022, 2025
Math 590 (Introduction to topology) Winter 2019
Math 490 (Introduction to topology), inquiry-based learning Fall 2018, 2019, 2021, 2024

Supervisor for independent reading courses, University of Michigan
 Math 700-246 (Directed reading: configuration spaces and braid groups) Fall 2020
 Math 399-238 (Directed reading: fundamental group) Fall 2019

Instructor, Stanford University
 Math 20 (Integral calculus) Fall 2017
 Math 122 (Modules and group representations) Spring 2015, 2016, 2017, 2018
 Math 110 (Number theory with applications to cryptography) Winter 2015
 Math 51 (Linear algebra and differential multivariable calculus) Fall 2014, 2015, 2016

Lecturer in the College, University of Chicago 2011–12, 2012–13, 2013–14
 Sole instructor for Math 152 and 153 (Calculus 2 and 3).

College Fellow, University of Chicago Sep 2010 – June 2011
 Class assistant and tutorial leader for *Advanced Calculus I, II, and III*,
 inquiry based learning (Moore method) section.

Enrichment Program Mentor, Queen’s University Sep 2006 – Apr 2009
 Tutorial leader for the enrichment program *Mathematical Investigations*.

Teaching Assistant, Queen’s University
 Assistant and grader to *Number systems: an advanced perspective*. Sep 2008 – Dec 2008
 Semi-weekly tutorial leader for *Introductory mathematical statistics*. Feb 2008 – Apr 2008

INVITED TALKS

University of Münster <i>Perspectives on the cohomology of general linear groups</i> ,	Oct 2025
University of Pennsylvania <i>Scissors congruence and K-theory conference</i>	Jul 2025
Notre Dame <i>Discrete Groups in Topology and Algebraic Geometry</i>	Jun 2025
SwissMAP <i>Polylogarithms and Steinberg modules</i> ,	Jun 2025
electronic Computational Homotopy Theory Seminar,	27 Mar 2025
AIM Workshop <i>Scissors Congruence, Algebraic K-theory, and Steinberg Modules</i>	10 Jul 2024
University of Chicago <i>Geometry-Topology Seminar</i> ,	7 Dec 2023
University of Chicago <i>No Boundaries Seminar</i> ,	6 Dec 2023
University of Bristol <i>Festival Remembering Vic Snaith</i> , virtual	13 Jul 2023
Stony Brook University <i>Colloquium</i>	18 May 2023
NYUAD <i>Geometry, Topology, and Physics Seminar</i> , virtual	26 Apr 2023
Michigan State University <i>Colloquium</i> , virtual	15 Sep 2022

University of Minnesota <i>Conference in honor of Gunnar Carlsson</i> , virtual	3 Aug 2022
Fields Institute <i>Conference on Homotopy Theory</i>	29 Jun 2022
Institut Fourier <i>COGENT Summer School</i> (3 talks), virtual	21 & 22 Jun 2022
Cornell <i>Topology Festival</i>	7 May 2022
Purdue <i>Stability in Topology, Arithmetic, and Representation Theory</i>	26 Mar 2022
Baylor <i>55th Spring Topology and Dynamical Systems Conference</i>	10 Mar 2022
ICERM <i>Braids in Representation Theory and Algebraic Combinatorics</i> , virtual	17 Feb 2022
<i>Midwest Topology Seminar</i> , online	18 Nov 2021
University of Minnesota <i>Topology Seminar</i> , virtual	15 Nov 2021
<i>BIRS Lattices and Cohomology of Arithmetic Groups</i> , virtual	4 Oct 2021
<i>COGENT Seminar</i> on cohomology of groups, virtual	5 Jul 2021
University of Copenhagen <i>Masterclass</i> (2 lectures), virtual	28–29 Jun 2021
Montana State University <i>Virtual Math Seminar</i> , virtual	11 Jan 2021
University of British Columbia <i>Topology Seminar</i> , virtual	14 Oct 2020
AMS Sectional Meeting <i>Special Session on Stability</i> , virtual	4 Apr 2020
Northeastern <i>Topology Kickoff Mini-Conference</i>	5 Oct 2019
<i>MSRI Graduate Summer School in Representation Stability</i> (2 lectures)	3–5 Jul 2019
Inter-University Centre Dubrovnik <i>Dubrovnik IX Conference</i>	27 Jun 2019
University of Chicago <i>Colloquium</i>	26 Apr 2019
Tulane University <i>Colloquium</i>	28 Mar 2019
Purdue <i>Topology Seminar</i>	4 Dec 2018
<i>Cascade Topology Seminar</i>	10 Nov 2018
University of Indiana <i>Colloquium</i>	2 Nov 2018
University of Indiana <i>Geometry Seminar</i>	1 Nov 2018
University of Michigan <i>Topology Seminar</i>	11 Oct 2018

<i>Michigan Rep Stability Week</i> (Minicourse)	13–18 Aug 2018
<i>Manifolds, Groups, and Homotopy Conference</i>	19 Jun 2018
<i>Roots of Topology Summer School</i> (Minicourse)	12–15 Jun 2018
<i>Geometry Festival</i>	8 Apr 2018
Princeton <i>Topology Seminar</i>	5 Apr 2018
<i>Young Geometric Group Theory VII</i>	12 Mar 2018
Caltech <i>Colloquium</i>	30 Jan 2018
Yale <i>Colloquium</i>	23 Jan 2018
Mathematisches Forschungsinstitut Oberwolfach <i>Workshop</i>	15 Jan 2018
University of Utah <i>Colloquium</i>	11 Jan 2018
University of Toronto <i>Colloquium</i>	5 Jan 2018
University of British Columbia <i>Topology Seminar</i>	3 Jan 2018
University of British Columbia <i>Colloquium</i>	2 Jan 2018
UW Madison <i>Colloquium</i>	18 Dec 2017
Stony Brook University <i>Colloquium</i>	15 Dec 2017
Rutgers University <i>Colloquium</i>	13 Dec 2017
UC San Diego <i>Colloquium</i>	4 Dec 2017
University of Michigan <i>Topology Seminar</i>	30 Nov 2017
University of Michigan <i>Colloquium</i>	29 Nov 2017
Queen’s University <i>Colloquium</i>	22 Nov 2017
UC Irvine <i>Colloquium</i>	20 Nov 2017
Notre Dame <i>Colloquium</i>	15 Nov 2017
UIUC <i>Geometry, Groups, and Dynamics / GEAR Seminar</i>	13 Nov 2017
Caltech <i>Geometry and Topology Seminar</i>	7 Nov 2017
University of Minnesota <i>Topology Seminar</i>	3 Nov 2017

University of Minnesota <i>Colloquium</i>	2 Nov 2017
University of Columbia <i>Geometric Topology Seminar</i>	13 Oct 2017
University of Southern California <i>Colloquium</i>	6 Sep 2017
UC San Diego <i>Algebra Seminar</i>	12 Jun 2017
UC Santa Barbara <i>Topology Seminar</i>	23 May 2017
UC Davis <i>Algebra and Discrete Math Seminar</i>	24 Apr 2017
AMS Sectional Meetings <i>Special Session on Representation Stability</i>	2 Apr 2017
Purdue University <i>Topology Seminar</i>	30 Mar 2017
University of Chicago <i>Geometry/Topology Seminar</i>	28 Mar 2017
University of Washington <i>Algebra and Algebraic Geometry Seminar</i>	7 Mar 2017
UC Santa Cruz <i>Colloquium</i>	24 Jan 2017
University of Southern California <i>Colloquium</i>	18 Jan 2017
<i>Midwest Topology Seminar</i>	17 Sep 2016
University of Utah <i>Algebraic Geometry and Topology RTG Seminar</i>	31 Aug 2016
AIM Workshop on Representation Stability	30 Jun 2016
Banff International Research Station Workshop	4 Apr 2016
Purdue University <i>Topology Seminar</i>	27 Jan 2016
City College of New York <i>Colloquium</i>	19 Nov 2015
University of Amiens <i>Applied Representation Theory Workshop</i>	7 Jul 2015
Centro de Ciencias Matemáticas de la UNAM	24 Jun 2015
Bay Area Discrete Math Day	2 May 2015
UC Berkeley <i>Geometry & Topology Seminar</i>	22 Apr 2015
University of Arkansas <i>40th Spring Lecture Series</i>	5 Mar 2015
University of Utah <i>Max Dehn Seminar</i>	4 Feb 2015
University of Oregon <i>Topology Seminar</i>	2 Dec 2014

CMS Meeting <i>Special Session on Low Dimensional Topology</i>	8 Jun 2014
Stanford University <i>Topology Seminar</i>	20 May 2014
Queen's University <i>Algebraic Geometry Seminar</i>	31 Mar 2014
SUNY Buffalo <i>Geometry and Topology Seminar</i>	28 Feb 2014
AMS Joint Meetings <i>Special Session on Geometric Group Theory</i>	17 Jan 2014
Rice University <i>Topology Seminar</i>	2 Dec 2013
University of North Texas <i>Algebra Seminar</i>	22 Nov 2013
Purdue University <i>Geometry Seminar</i>	9 Sep 2013
University of Copenhagen <i>Masterclass on Homological Stability</i>	29 Aug 2013
Loyola University <i>Algebra and Combinatorics Seminar</i>	27 Feb 2013
Banff International Research Station Workshop	28 Nov 2012
UW Madison <i>Geometry and Topology Seminar</i>	9 Nov 2012
University of British Columbia <i>Topology Seminar</i>	2 Apr 2012
Georgia Tech <i>Geometry and Topology Seminar</i>	23 Jan 2012
University of Columbia <i>Geometric Topology Seminar</i>	7 Oct 2011
University of Sydney <i>Algebra Seminar</i>	22 Aug 2011

ADVISING

PhD supervisor, Michigan

Urshita Pal (current)

Nicholas Wawrykow (graduated Spring 2023)

MLB Masters supervisor, Michigan

Annaliese Keiser (graduated Winter 2021)

Mentor for REU Undergrad Summer Research, Michigan

Planned and supervised project for 3 undergraduate students

May-Jun 2024

PhD Thesis Defense committee member, Michigan

Malavika Mukundan (Mar 2024), Will Dana (May 2023), Hyung Kyu Jun (May 2022), Yunze Lu (Apr 2022), Ruian Chen (Mar 2020), Phil Tosteson (Apr 2019)

PhD Thesis Defense committee member, Stanford

Inbar Klang (May 2018), Alexander Kupers (May 2016), Sara Kalisnik (Mar 2016),

Sam Nolen (Nov 2015), Megan Bernstein (May 2015)

PhD Preliminary Exam committee member, Michigan
Malavika Mukundan (Jun 2020), Nicholas Wawrykow (Apr 2020)

PhD Area Exam committee member, Stanford
Adva Wolf (May 2018)

SERVICE

Workshop co-organizer, American Institute of Math 8–12 Jul 2024
Co-organized 5-day AIM workshop
“Scissors congruences, algebraic K-theory, and Steinberg modules”

Workshop co-organizer, Purdue University 17–21 Jul 2023
Co-organized workshop, hybrid format
“Stability in Topology, Arithmetic, and Representation Theory”

Workshop co-organizer, BIRS 10–15 Oct 2021
Co-organized Banff Workshop, hybrid format with 140 registered participants
“Cohomology of arithmetic groups: duality, stability, and computations”.

Summer Graduate School co-organizer, MSRI 24 Jun – 5 Jul 2019
Co-organized and lectured in 2-week MSRI summer school
“Representation stability”

Referee (13 journals),
MathSciNet Reviewer (4 papers)
Reviewer for NSF grants
Ad hoc reviewer 2021, 2023
Panelist 2022, 2023

Talks on math pedagogy
IBL approaches to graduate math courses, OLSUME seminar 4 Feb 2025

Math talks or activities for undergraduates, high school students, or K12 teachers
Michigan Undergrad Math Club, Michigan 12 Sep 2024
Michigan MaCSS Scholars program, Michigan 18 Jul 2024
Wayne County Math Teachers’ Circle, Michigan 19 Sep 2023
Michigan Undergrad Math Club, Michigan 14 Sep 2023
Michigan MaCSS Scholars program, Michigan 23 May 2023
Michigan Undergrad Math Club, Michigan 16 Mar 2023
Euler Circle, Virtual 23 Jun 2022
Michigan Undergrad Math Club, Michigan 13 Jan 2022
Michigan Math Circle, Michigan, 4 Nov 2021
Harvard Open Neighborhood Seminar, Virtual 3 Mar 2021
UConn Undergrad Math Club, Virtual 4 Nov 2020
Michigan Math Circle, Virtual 8 Oct 2020
Michigan Undergrad Math Club, Virtual 26 Mar 2020
Undergraduate Awards Ceremony, Michigan 2 May 2019

<i>Graduate Research Opportunities for Women (GROW) Workshop</i> , Michigan	27 Oct 2018
<i>Michigan Math Circle</i> , Michigan	4 Oct 2018
<i>Michigan Math Circle</i> , Michigan	27 Sep 2018
<i>Michigan Undergrad Math Club</i> , Michigan	6 Sep 2018
<i>Palo Alto High School Math Club</i> , Palo Alto	26 Apr 2018
<i>SUMO Colloquium</i> , Stanford	26 Feb 2018
<i>Stanford Undergraduate Research Institute in Mathematics (SURIM)</i> , Stanford	5 Jul 2017
<i>SUMO Colloquium</i> , Stanford	7 Feb 2017
<i>Stanford Undergraduate Research Institute in Mathematics (SURIM)</i> , Stanford	27 Jul 2016
<i>Stanford University Mathematics Camp (SUMaC)</i> , Stanford	14 Jul 2016
<i>SUMO Colloquium</i> , Stanford	12 May 2016
<i>XV Escuela de Verano en Matemáticas</i> , UNAM Campus Morelia	30 Jun 2015
<i>Stanford Math Circle</i> , Stanford	22 Jan 2015
<i>SUMO Colloquium</i> , Stanford	25 Sep 2014
<i>Queen's University Math Club</i> , Kingston	27 Mar 2014
Research seminar co-organizer , Michigan	2018-present
Informal co-organizer of the <i>Topology</i> , <i>RTG Geom/Top</i> , and <i>Representation Stability</i> seminars	
Undergrad Math Club co-organizer , Michigan	2018-9, 2021-2
Scientist in the Forum , University of Michigan Museum of Natural History	
Gave a 15-minute interactive presentation to Museum guests ages 5+	
<i>Science Forum</i> , University of Michigan Museum of Natural History	24 Jun 2023
Science Communications Fellow , University of Michigan Museum of Natural History	
Ran a hands-on booth on “geometry and topology of surfaces” for K12 students or public events	
<i>Scientist Spotlight</i> , UM Museum of Natural History	10 May 2025
<i>Scientist Spotlight</i> , UM Museum of Natural History	12 Apr 2025
<i>Scientist Spotlight</i> , UM Museum of Natural History	16 Mar 2025
<i>WISE (Women in Science and Engineering) Night</i> , UM Museum of Natural History	16 Apr 2024
<i>Scientist Spotlight</i> , UM Museum of Natural History	10 Mar 2024
<i>Scientist Spotlight</i> , UM Museum of Natural History	12 Nov 2023
<i>Scientist Spotlight</i> , Ypsilanti District Library Whittaker Branch	22 Apr 2023
<i>Scientist Spotlight</i> , UM Museum of Natural History	15 Apr 2023
<i>Scientist Spotlight</i> , UM Museum of Natural History	8 Dec 2019
<i>Scientist Spotlight</i> , Ann Arbor District Library Downtown Branch	3 Nov 2019
<i>Elementary Science Olympiad</i> , Pioneer High School	11 May 2019
<i>Young Scientists Expo</i> , Forsythe Middle School	17 Mar 2019
<i>Scientist Spotlight</i> , Ann Arbor District Library Pittsfield Branch	10 Mar 2019
Wolverine Pathways volunteer	
Ran or helped run math activities for the <i>Wolverine Pathways</i> college-readiness program	
Ypsilanti high-school program (6 & 13 Oct 2018), Detroit high-school program (17 Nov 2018)	
Panelist or invited guest for professional development events	
<i>University of Michigan</i> panel for math faculty on REU mentorship	18 Nov 2024
<i>University of Michigan</i> faculty panel on applying for federal math research grants	28 Aug 2024
<i>University of Michigan</i> workshop for faculty feedback on postdoc/TT applications	23 Aug 2024

<i>University of Michigan</i> facilitator for practice lectures at new-postdoc orientation	20 Aug 2024
<i>University of Michigan</i> M-STEM faculty panel on transitioning from K12 to college	18 Jul 2024
<i>University of Michigan</i> panel on PhD applications for math REU students	18 Jun 2024
<i>University of Michigan</i> IBL training workshop facilitator for new-student orientation	23 Aug 2023
<i>University of Michigan</i> MREG panel on work-life balance in graduate school	26 Jul 2023
<i>University of Michigan</i> M-STEM faculty panel on transitioning from K12 to college	21 Jul 2022
<i>University of Michigan</i> REU presentation on how to give math research talks	21 Jul 2022
<i>University of Michigan</i> M-STEM faculty panel on transitioning from K12 to college	8 Jul 2021
<i>University of Michigan</i> M-STEM faculty panel on transitioning from K12 to college	16 Jul 2020
<i>University of Michigan</i> IBL training workshop facilitator for new-student orientation	28 Aug 2019
<i>University of Michigan</i> M-STEM faculty panel on transitioning from K12 to college	25 Jul 2019
<i>University of Michigan</i> panel on careers in research mathematics	21 May 2019
<i>Purdue University</i> AWM cookie hour Q&A	4 Dec 2018
<i>Stanford University</i> panel for graduate students on giving effective seminar talks	1 Jun 2018
<i>Geometry Festival</i> luncheon for women in geometry	7 Apr 2018
<i>Stanford University</i> NSO panel for undergrad women with STEM interests	21 Sep 2017
<i>University of Chicago</i> AWM lunch Q&A	28 Mar 2017

JAMs “Jobs in Academia for Mathematicians” workshop co-organizer, Michigan

Organized workshops for UM students/postdocs on academic math jobs and the application process.	
Organized 5 events on academic job applications	Winter & Summer 2025
Organized 4 events on academic job applications	Winter & Summer 2024
Lead organizer for a 9-session professional development workshop series	Winter 2022

Math Dept Executive Committee member, Michigan 2020/21, 2023/24

Faculty Ally for Diversity, University of Michigan 2023/24

One of two UM math faculty designated as a “Faculty Ally for Diversity”, to partner with the UM Rackham Graduate School to ‘to improve recruitment, admissions, climate, retention, and student success in relation to DEI’. Responsible for applying for and implementing a grant to fund initiatives to improve DEI in the department.

Undergrad Scholarships & Awards Committee member, Michigan Winter 2021, 2022

Association for Women in Mathematics Mentor, Michigan

Met monthly or semi-monthly with a postdoc, graduate student, and group of undergrad women in math 2023/24, 2024/25

Michigan MaCSS Scholars Mentor, Michigan

Met monthly with an undergrad student in the MaCSS Scholars program, which supports Math/CS/Stats students from low-income backgrounds 2023/24, 2024/25

Graduate Admissions Committee member, Stanford Fall 2016

Association for Women in Mathematics, University of Chicago Chapter

Chapter President Oct 2013 – Jun 2014

Vice President and Treasurer Jan–Oct 2013

Events Committee Member Oct 2010 – Jun 2014

Graduate Geometry Seminar Co-organizer , University of Chicago Ran the weekly “Farb and Friends” student geometry seminar	Oct 2012 – June 2013
Directed Reading Program Mentor , University of Chicago Supervised three undergraduates doing independent math projects	Oct 2012 – Jun 2013
Graduate Warm-Up Program Organizer , University of Chicago Coordinator of the orientation program for incoming math grad students; co-organized two weeks of math talks and social activities	Aug–Sep 2011
Research Experience for Undergraduates Mentor , University of Chicago Co-mentored five undergraduate students writing independent reports, and assisted with a course on the mapping class group	Jun–Aug 2010
Math Enrichment Program Coordinator , Queen’s University Oversaw program development, advertising, and hiring and training of mentors for the undergrad enrichment program <i>Mathematical Investigations</i>	Sep 2007 – Apr 2009
Math-Stats Dept. Headship Search Committee Member , Queen’s University	2008
Math Help-Centre Peer Tutor , Queen’s University	2006–2008

PROFESSIONAL
DEVELOPMENT

Workshops attended:	
<i>Teaching for accessibility</i> , Michigan (asynchronous)	30 Jan – 12 Feb 2023
<i>Mathematical Mentorship Discussion Group</i> , Online	Monthly, 2020–2021
<i>paraDIGMS Workshop: Diversity in Graduate Mathematical Sciences</i> , IMSI	20–23 Nov 2020
<i>IBL Mathematics Workshop</i> , Michigan	28–30 Aug 2018
<i>LSA Teaching Academy Workshop</i> , Michigan	21–22 Aug 2018
<i>Graduate Advising Workshop</i> , Michigan	12–14 May 2017
Talks attended:	
<i>Exploring Alternative Grading Strategies</i> , Michigan CRLT	2 Oct 2023
<i>Mentor training</i> , Michigan MaCSS program	29 Aug 2023
<i>Teaching All Students: neurodiverse learners</i> , Michigan CRLT	6 Mar 2023
<i>Making Groupwork Work</i> , Michigan CRLT	16 Feb 2023
<i>Introduction to Equity-Focused Assessment</i> , Michigan CRLT	27 Jan 2023
<i>Gatekeeping: Understanding Our Individual Power in Supporting Equity</i> , Michigan ADVANCE Program	6 Oct 2021
<i>Shoulda, Woulda, Coulda: Moving Beyond Failure and Actively Cultivating a More Equitable Academy</i> , Michigan CRLT	17 Nov 2020
<i>STRIDE (Strategies and Tactics for Recruiting to Increase Diversity and Excellence) Faculty Recruitment Workshops</i> , Michigan ADVANCE Program	22 Oct 2020
<i>Great Expectations: Mentoring Graduate Students</i> , Michigan CRLT	6 Dec 2019
<i>Moving the Needle: Shifting the Conversation around Sexual Harassment</i> , Michigan CRLT	24 Oct 2019
<i>Distress Signals: Supporting Students Facing Mental Health Challenges</i> , Michigan CRLT	18 Jan 2019

- Myths, Mindsets, and Deep Learning in Higher Education: Better Ways
for All to Succeed in Learning Mathematics (with Jo Boaler), Stanford* 18 May 2017
- Creating Inclusive Classrooms, Stanford* 23 Feb 2016
- Moving Along the Continuum from Passive to Active Learning, Stanford* 1 Apr 2015
- Microaggressions on Campus? What Faculty Need to Know as Advisors, Colleagues and
Leaders in a Multicultural Academic Environment (with Derald Wing Sue), Stanford* 23 Jan 2015