Allison Henrich

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EDUCATION

Dartmouth College — Summer 2005 – Spring 2008
Ph.D., Mathematics, Advisor: Vladimir Chernov

Dartmouth College — Fall 2003 – Spring 2005
M.A., Mathematics

University of Washington, Seattle — Fall 1999 – Spring 2003
B.S., Mathematics, *Magna Cum Laude*
B.A., Philosophy, *Magna Cum Laude*

APPOINTMENTS

Editor of *MAA FOCUS* — Summer 2022 – present
Mathematical Association of America

Professor — Fall 2019 – present
Seattle University

Associate Professor — Fall 2014 – Summer 2019
Seattle University

Mathematics Department Chair — Summer 2014 – Summer 2017
Seattle University

Assistant Professor — Fall 2009 – Spring 2014
Seattle University

Research Experiences for Undergraduates Mentor — Summers 2010, 2011, 2012
University of Washington, Math REU

Research Experiences for Undergraduates Mentor — Summer 2009
Williams College, SMALL REU

Assistant Professor — Fall 2008 – Spring 2009
Oberlin College

Instructor — Winter 2001 – Spring 2003
Bellevue Community College

TEACHING EXPERIENCE

Seattle University

UCOR 1200 / MATH 107 — Quantitative Literacy and Social Justice

Fall 2010, Winter 2011, Spring 2013, Fall 2013, Winter 2014, Fall 2014, Spring 2015, Fall 2016, Winter 2019, Spring 2019 (2 sections), Fall 2019, Spring 2021 (2 sections), Fall 2021, Winter 2022, Fall 2022, Winter 2023

Seattle University (cont.)

MATH 1000 / MATH 110 — Functions and Algebraic Methods

Fall 2012

MATH 1022 / MATH 1322 / MATH 121 — Precalculus: Trigonometry

Fall 2015 (2 sections)

MATH 1331 / MATH 132 / MATH 191 — Calculus with Algebra I (a)

Fall 2012, Fall 2013

MATH 1332 / MATH 133 / MATH 191 — Calculus with Algebra I (b)

Winter 2013, Winter 2014

MATH 1334 / MATH 134 — Calculus I

Winter 2010 (2 sections), Fall 2010, Spring 2011, Winter 2012 (3 sections), Winter 2020 (2 sections)

MATH 1335 / MATH 135 — Calculus II

Fall 2009 (2 sections), Spring 2014, Spring 2020, Winter 2021 (2 sections)

MATH 3000 / MATH 310 — Introduction to Advanced Mathematics

Spring 2010, Spring 2012, Spring 2013, Fall 2019

MATH 3910 / MATH 391 — Introduction to Knot Theory

Spring 2016

MATH 3910 / MATH 391 — Knot Theory and Topology

Winter 2011

MATH 4460 / MATH 3910 / MATH 391 — Introduction to Topology

Winter 2013

MATH 4481/2/3 — Senior Synthesis

Fall 2024 – Spring 2025

Oberlin College

MATH 134 — Calculus II

Fall 2008, Spring 2009 (2 sections)

MATH 353 — Topology

Fall 2008

Dartmouth College

MATH 2 — Calculus II

Winter 2006

MATH 3 — Calculus I and II

Fall 2006

Graduate Mini-course on Algebraic Topology

Summer 2007

Bellevue Community College

PHIL 120 — Introduction to Logic for Math, CS, and Engineering Majors

Winter 2001, Spring 2001, Fall 2001, Winter 2002, Spring 2002, Fall 2002, Winter 2003, Spring 2003

PUBLICATIONS

Note: The symbol (*) *denotes undergraduate coauthors,* (†) *denotes graduate student coauthors, and* (‡) *denotes high school student coauthors.*

Books

3. Carrie Diaz Eaton, Allison Henrich, Steven Klee, and Jennifer Townsend. *Navigating the Math Major: Charting Your Course,* Vol. 73. American Mathematical Soc. (MAA Press), 2024.

2. Michael Dorff, Allison Henrich, and Lara Pudwell. *A Mathematician's Practical Guide to Mentoring Undergraduate Research.* Vol. 63. American Mathematical Soc. (MAA Press), 2019.

1. Inga Johnson and Allison Henrich. *An Interactive Introduction to Knot Theory*, Dover Publications, Inc., Mineola, NY, 2017.

Edited Books

3. Eds. Colin Adams, Erica Flapan, Allison Henrich, Louis Kauffman, Lew Ludwig, and Sam Nelson. *A Concise Encyclopedia of Knot Theory*, Taylor & Francis, 2021.

2. Eds. Allison Henrich., Emille Lawrence, Matthew Pons, and David Taylor. *Living Proof: Stories of Resilience Along the Mathematical Journey*, American Mathematical Society, 2019.

1. Eds. Erica Flapan, Allison Henrich, Aaron Kaestner, and Sam Nelson. *Knots, Links, Spatial Graphs, and Algebraic Invariants*, American Mathematical Society, 2017.

Book Chapters

2. Allison Henrich. "Find your passion, get organized and cultivate support systems." in *Aspiring and Inspiring: Tenure and Leadership in Academic Mathematics*, Eds. Rebecca Garcia, Pamela E. Harris, Dandrielle Lewis, and Shanise Walker, American Mathematical Society, 2023.

1. Allison Henrich. "Playing with Knots." in *Mathematics Research for the Beginning Student, Volume 1: Accessible Projects for Students Before Calculus*, Eds. Eli E. Goldwyn, Sandy Ganzell, and Aaron Wootton, Birkhäuser Cham, 2022.

Mathematics Research (Peer reviewed)

23. Hunter Adams*, Megan Christensen*, Brooke Friedel*, Allison Henrich, and David Neel, "The KnotLink Game on Families of Whitehead and Pretzel Links," *PUMP Journal of Undergraduate Research,* Vol. 8, 2025.

22. Allison Henrich, Sriram Kutty‡, and Grace Tan‡, "Coordinate Knots." *Involve,* to appear, 2025.

21. Christopher Cericola†, Justus Curry*, Allison Henrich, and Mitchell Rask*, "The Arc Unknotting Game." *College Mathematics Journal,* published online Dec 2023.

20. Allison Henrich and Robin Truax[‡], "Petal Projections, Knot Colorings and Determinants." *Involve,* Vol. 15, No. 2, 2022.

19. Sandy Ganzell and Allison Henrich, "Virtual Mosaic Knot Theory." *Journal of Knot Theory and Its Ramifications,* Vol. 29, No. 14, 2020.

18. Hunter Adams[*], Allison Henrich, and Solden Stoll[‡], "The KnotLink Game." *PUMP Journal of Undergraduate Research,* Vol. 3, 2020.

17. Allison Henrich, Inga Johnson, and Jonah Ostroff, "The Region Smoothing Swap Game." *Osaka Journal of Mathematics,* Vol. 58, No. 1, 2020.

16. Colin Adams, Allison Henrich, Kate Kearney, and Nicholas Scoville. "Knots Related by Knotoids." *American Mathematical Monthly,* Vol. 126, No. 6, 2019.

15. Jason Cantarella, Allison Henrich, Elsa Magness[*], Oliver O'Keefe[*], Kayla Perez[*], Eric Rawdon, and Briana Zimmer[*]. "Knot fertility and lineage." *Journal of Knot Theory and Its Ramifications,* Vol. 26, No. 13, 2017.

14. Sarah Brown[*], Franky Cabrera[*], Riley Evans[*], Gianni Gibbs[*], Allison Henrich, and James Kreinbihl[†]. "The Region Unknotting Game." *Mathematics Magazine,* Vol. 90, No. 5, 2017.

13. Allison Henrich and Louis Kauffman. "Tangle Insertion Invariants for Pseudoknots, Singular Knots, and Rigid Vertex Spatial Graphs." *in E. Flapan, A. Henrich, A. Kaestner, and S. Nelson (Eds.), Knot Theoretic Structures & Spatial Graphs, American Mathematical Society, Providence, RI,* 2017.

12. Allison Henrich, Slavik Jablan, and Inga Johnson. "The Signed Weighted Resolution Set is Not a Complete Pseudoknot Invariant." *Journal of Knot Theory and Its Ramifications,* Vol. 25, No. 9, 2016.

11. François Dorais, Allison Henrich, Slavik Jablan, and Inga Johnson. "Isotopy and Homotopy Invariants of Classical and Virtual Pseudoknots." *Osaka Journal of Mathematics.*, Vol. 52, No. 2, 2015.

10. Tomas Boothby[†], Alexander Leaf[*], and Allison Henrich. "Minimal Diagrams of Free Knots." *Journal of Knot Theory and Its Ramifications*, Vol. 23, No. 6, 2014.

9. Allison Henrich and Slavik Jablan. "On the Coloring of Pseudoknots." *Journal of Knot Theory and Its Ramifications*, Vol. 23, No. 12, 2014.

8. Allison Henrich and Louis Kauffman. "Unknotting Unknots." *American Mathematical Monthly*, Vol. 121, No. 5, 2014.

7. Allison Henrich, Rebecca Hoberg[†], Slavik Jablan, Lee Johnson[*], Elizabeth Minten[*], and Ljiljana Radović. "The Theory of Pseudoknots." *Journal of Knot Theory and Its Ramifications*, Vol. 22, No. 7, 2013.

6. Alissa Crans, Allison Henrich, and Sam Nelson. "Polynomial Knot and Link Invariants from the Virtual Biquandle". *Journal of Knot Theory and Its Ramifications*, Vol. 22, No. 4, 2013.

5. Allison Henrich and Inga Johnson. "The Link Smoothing Game." *AKCE International Journal of Graphs and Combinatorics*, Vol. 9, No. 2, 2012.

4. Allison Henrich, Noel MacNaughton*, Sneha Narayan*, Oliver Pechenik*, Robert Silversmith* and Jennifer Townsend*. "A Midsummer Knot's Dream." *College Math Journal*, Vol. 42, No. 2, 2011.

3. Allison Henrich, Noel MacNaughton*, Sneha Narayan*, Oliver Pechenik* and Jennifer Townsend*. "Classical and Virtual Pseudodiagram Theory and New Bounds on Unknotting Numbers and Genus." *Journal of Knot Theory and Its Ramifications.*, Vol. 20, No. 4, 2011.

2. Allison Henrich and Sam Nelson. "Semiquandles and Flat Virtual Knots." *Pacific Journal of Mathematics*, Vol. 248, No.1, 2010.

1. Allison Henrich. "A Sequence of Degree One Vassiliev Invariants for Virtual Knots." *Journal of Knot Theory and Its Ramifications*, Vol. 19, No. 4, 2010.

Interdisciplinary Research (Peer reviewed)

2. Roope Oskari Kaaronen, Allison K. Henrich, Mikael A. Manninen, Matthew J. Walsh, Isobel Wisher, Jussi T. Eronen, and Felix Riede. "The ties that bind: Computational, cross-cultural analyses of knots reveal their cultural evolutionary history and significance." *To appear in Cambridge Archaeological Journal*, 2025.

1. Roope Oskari Kaaronen, Matthew J. Walsh, Allison K. Henrich, Isobel Wisher, Elena Miu, Mikael A. Manninen, Jussi T. Eronen, and Felix Riede. "A global cross-cultural analysis of string figures reveals evidence of deep transmission and innovation." *Journal of the Royal Society Interface*, 21:20240673, 2024.

Educational Research & Writing (Peer reviewed)

4. Michael Dorff, Allison Henrich, and Lara Pudwell. "Successfully Mentoring Undergraduates in Research: A How To Guide for Mathematicians." *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies* Vol. 27, No. 3, 2017.

3. Allison Henrich, J. McLean Sloughter, Jeffrey Anderson, and Eric Bahuaud. "Addressing negative math attitudes with service-learning." *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies,* Vol. 26, No. 8, 2016.

2. John Carter, Dylan Helliwell, Allison Henrich, Maria Principe*, and J. McLean Sloughter. "Oral Assessments: Improving Student Success in Calculus at Seattle University." *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies,* Vol. 26, No. 2, 2015.

1. Allison Henrich and Kristi Lee. "Reducing Math Anxiety: Findings from Incorporating Service Learning into a Quantitative Reasoning Course at Seattle University." *Numeracy*, Vol. 4, No. 2, 2011.

Articles, Book Reviews & More

16. Silviana Amethyst, Padi Fuster Aguilera, Allison Henrich, Selvi Kara, and Aaron Wootton, "Storytelling: Making a Human Connection at a Mathematics Conference," *MAA FOCUS*, Vol. 44, No. 3, June/July 2024.

15. Edmund Harriss and Allison Henrich. "Nervous System: Where Biology, Art, and Mathematical Models Merge," *MAA FOCUS*, Vol. 44, No. 1, Feb/Mar 2024.

14. Allison Henrich, Des MacHale, and Matthew Pons. "Seriously Funny: Using Humor for Mathematical Connection," *MAA FOCUS*, Vol. 43, No. 6, Dec 2023/Jan 2024.

13. Allison Henrich and Louis Kauffman. "A Persistent Little Tangle: The Chefalo Rope Trick," *Math Horizons*, Vol. 30, No. 3, 2023.

12. Allison Henrich. "Be Inspirable," *Notices of the AMS*, Vol. 70, No. 1, January 2023.

11. Allison Henrich. "Book Review: *How to Get Your PhD: A Handbook for the Journey* by Gavin Brown," *College Math Journal*, Vol. 53, No. 3, 2022.

10. Allison Henrich. "A Conversation with Third Grader Henrietta Xu," *MAA FOCUS*, Dec 2021/Jan 2022.

9. Allison Henrich, Alex Ionescu*, Brooke Mathews*, Isaac Ortega*, and Kelemua Tesfaye*. "Knotris: A Game Inspired by Knot Theory," *Math Horizons*, Vol. 28, No. 2, 2021.

8. Allison Henrich. "John Edmark: Art in Motion," *Mathematics Magazine*, Vol. 94, No. 1, 2021.

7. Allison Henrich. "Henry Segerman: Visualizing Topology," *Mathematics Magazine*, Vol. 93, No. 4, 2020.

6. Allison Henrich. "Robert Bosch: From Dominos to Traveling Salespeople," *Mathematics Magazine*, Vol. 92, No. 4, 2019.

5. Allison Henrich. "The Power of Bravery," *MAA FOCUS*, June/July 2018.

4. Allison Henrich. "Veronika Irvine: The The Art and Mathematics of Making Bobbin Lace," *Mathematics Magazine*, Vol. 91, No. 4, 2018.

3. Allison Henrich. "Visions of Mathematics," *Introduction to artist's book Dreams of Pythagorus by Michael Schultheis*, 2014.

2. Allison Henrich and Jeffrey Anderson. "Service-Learning in a Quantitative Reasoning Course," *Peer Review: A Journal of the Association of American Colleges & Universities*, 2014.

1. Moshe Cohen and Allison Henrich. "A Knot Game with not KNerds," *Math Horizons*, November 2012.

Blog Posts

18. Allison Henrich. "My Best Rejection," *MAA Math Values Living Proof Blog*, September 21, 2023.

17. Jen Bowen and Allison Henrich. "'My Job is Awesome': An Interview with Yen Duong," *MAA Math Values Living Proof Blog*, April 20, 2023.

16. Allison Henrich, Matthew Pons, and David G. Taylor. "Over The Line: When Evaluations Become Cruel," *MAA Math Values Blog*, December 8, 2022.

15. Allison Henrich. "How (Not) to Communicate Mathematics," *MAA Math Values Blog*, April 28, 2022.

14. Jen Bowen, Sarah Bryant, Susan Crook, Allison Henrich, Anisah Nu'Man, and Matthew Pons. "Welcome to the Living Proof Math Values Blog," *MAA Math Values Living Proof Blog*, February 17, 2022.

13. Allison Henrich. "Creating Space for Creativity" *MAA Math Values Blog*, January 11, 2022.

12. Allison Henrich. "An Interview with Susan D'Agostino," *MAA Math Values Blog*, December 9, 2021.

11. Allison Henrich. "Mathematics and Dance: An Interview with Nancy Scherich," *MAA Math Values Blog*, November 11, 2021.

10. Jen Bowen, Chawne Kimber and Allison Henrich. "Encounters with gatekeepers," *AMS Living Proof Blog*, August 17, 2021.

9. Allison Henrich and Shanise Walker. "Addressing Stereotype Threat," *MAA Math Values Blog*, September 9, 2021.

8. Allison Henrich and Shanise Walker. "Stereotyping in Mathematics: An interview with Carol Bennett," *MAA Math Values Blog*, September 7, 2021.

7. Allison Henrich, Haydee Lindo and Natalie Naehrig. "What will you keep?" *MAA Math Values Blog*, August 19, 2021.

6. Allison Henrich and Shanise Walker. "Reflections on a DEI Workshop for Undergraduate Research Mentors," *MAA Math Values Blog*, July 29, 2021.

5. Allison Henrich. "Lessons from My Pop," *MAA Math Values Blog*, June 17, 2021.

4. Allison Henrich. "Let's be kind to our students," *MAA Math Values Blog*, March 30, 2021.

3. Allison Henrich and Matthew Pons. "How did it go? Reflections on teaching college math during a pandemic," *AMS Living Proof Blog*, January 4, 2021.

2. Allison Henrich and Matthew Pons. "Teaching Using Living Proof," *AMS Living Proof Blog*, June 5, 2020.

1. Allison Henrich. "I am so glad you made that mistake!" *AMS Blog On Teaching and Learning Mathematics*, May 1, 2017.

Educational Products

1. Developed online training course, *Course 9: Writing About Research*, as a part of the training program, *Research as a Transferable Skill*, for undergraduate researchers in all disciplines. Published by Epigeum, a division of Oxford University Press, 2018.

EXTERNAL GRANTS FUNDED

UnKnot Conference V NSF DMS Award # 2348686
PI on a $40,000 grant from the National Science Foundation Division of Mathematical Sciences to run a conference in July 2024 for undergraduates interested in or doing research in knot theory.

MAA OPEN Math NSF AA Award DUE-2111260 and CU-B Award DUE-2111273
Awarded $12,000 to develop and run a virtual workshop entitled "Mentoring Undergraduate Research in Mathematics: A DEI Approach" with Pamela Harris, Michael Dorff and Michael Young in May 2022.

Center for Undergraduate Research in Mathematics NSF DMS Award #1722563
Awarded $15,700 to support a team of student researchers during the 2019-20 academic year.

UnKnot Conference IV NSF DMS Award # 1917863
Co-PI on a $35,000 grant from the National Science Foundation Division of Mathematical Sciences to run a conference in July 2019 for undergraduates interested in or doing research in knot theory.

Seattle University Mathematics Early Research Program NSF DMS Award #1460537
Awarded $279,997 by the National Science Foundation Division of Mathematical Sciences with co-PI Steve Klee for 2015-2017 to run a summer research program for undergraduates for three summers.

Simons Collaboration Grant
Awarded $35,000 by the Simons Foundation, to be used between Fall 2016 and Summer 2021 to fund travel and other expenditures related to collaboration.

Association of Women in Mathematics Travel Grant
Awarded $975 for travel to AMS sectional meeting in Lawrence, KS in 2012.

HONORS AND AWARDS

Euler Book Prize (2022)
Awarded by the Mathematical Association of America to recognize authors of books with a positive impact on the public's view of mathematics. Received for *Living Proof: Stories of Resilience Along the Mathematical Journey*, jointly edited with E. Lawrence, M. Pons, and D. Taylor.

Paul R. Halmos – Lester R. Ford Award (2020)
Awarded by the Mathematical Association of America to recognize authors of articles of expository excellence published in *The American Mathematical Monthly*. Received for joint paper with C. Adams, K. Kearney, and N. Scoville, "Knots Related by Knotoids."

Henry L. Alder Award for Distinguished Teaching (2015)
Awarded by the Mathematical Association of America annually to no more than three beginning college or university faculty whose teaching has been extraordinarily successful and whose effectiveness in teaching undergraduate mathematics is shown to have influence beyond their own classrooms.

Paul R. Halmos – Lester R. Ford Award (2015)
Awarded by the Mathematical Association of America to recognize authors of articles of expository excellence published in *The American Mathematical Monthly*. Received for joint paper with L. Kauffman, "Unknotting Unknots."

Seattle University Summer Faculty Fellowship (2013)
Awarded $7500 for conducting knot theory research in the summer.

Filene Graduate Teaching Award (2008)
Awarded to two Dartmouth College graduate students each year for excellence in teaching.

Arts and Sciences Graduate Community Award (2008)
Awarded to two Dartmouth College graduate students each year for outstanding community service on behalf of the Arts and Sciences Dartmouth graduate community.

Phi Beta Kappa (2003)

RECENT SERVICE

Service to the Mathematics Community, Editorial

Editor MAA FOCUS Summer 2022 – present
Serving 4.5 year term as editor of the newsmagazine of the Mathematical Association of America.

MAA's Committee on Journals Summer 2022 – present
Serving 4.5 year term on this committee representing *MAA FOCUS*; became chair of the committee in December 2024.

MAA's Committee on Publications Summer 2022 – present
Serving 4.5 year term on this committee representing *MAA FOCUS*.

Associate Editor of the Journal of Knot Theory and its Ramifications Winter 2015 – present
Serving on the editorial board for an indefinite period of time.

Editor of MAA Math Values Living Proof Blog Winter 2022 – Winter 2024
Served as editor-in-chief of the Living Proof blog, a sub-stream of the *MAA Math Values* blog.

Associate Editor of the College Mathematics Journal Winter 2019 – Winter 2023
Served a four-year term on the editorial board of the MAA publication.

Deputy Editor of MAA Math Values Blog Winter 2021 – Fall 2021
Served on the editorial board of the MAA publication.

Founder and Editor of AMS Living Proof Blog Fall 2019 – Fall 2021
Served as editor-in-chief until all blog hosting terminated by AMS.

Associate Editor of PRIMUS Fall 2015 – Summer 2018
Served on the editorial board for a three-year term.

Associate Editor of Mathematics Magazine Summer 2014 – Fall 2018
Served a four-year term on the editorial board of the MAA publication.

Referee and Reviewer ongoing
Served as referee/reviewer for *MathSciNet*, the NSA Mathematical Sciences Grant Program, the NSF Division of Mathematical Sciences, Cambridge University Press, *Journal of Knot Theory and Its Ramifications*, *Journal of the Mathematical Society of Japan*, *Fundamenta Mathematicae*, *International Journal of Mathematics*, *Topology and Its Applications*, *Discrete Mathematics*, *Communications in Contemporary Mathematics*, *Experimental Mathematics*, *Mathematics Magazine*, *American Mathematical Monthly*, *College Mathematics Journal*, *Numeracy*, *PRIMUS*, *Involve*, *Kyongpook Mathematical Journal*, and MCURCSM as well as various books, book chapters, and book proposals.

Service to the Mathematics Community, Other

AWM Nominating Committee Winter 2025 – present
Serving a three-year term.

AWM Committee on Committees Winter 2024 – present
Serving a three-year term.

MAA Committee on Program Review Summer 2023 – present
Serving a three-year term on committee to provide resources to math departments and program reviewers.

Program Coordinator, UR SIGMAA Winter 2019 – Winter 2022
Served on the leadership team of the Special Interest Group of the MAA; responsible for organizing events related to undergraduate research at MathFest and the Joint Mathematics Meetings.

PNW-MAA Distinguished Teaching Award Committee Fall 2019 – Winter 2022
Served a three-year term on this committee of our regional MAA section.

MAA Committee on the Alder Award Fall 2017 – Fall 2021

Served a four year term on this MAA committee to determine Alder Award winners.

Councilor for the Council on Undergraduate Research Summer 2014 – Spring 2020
Served two three-year terms as councilor. Served three terms as the Secretary of the Division of Mathematics and Computer Science in the national CUR organization.

Special Session Organizer ongoing
Regularly organize special sessions for AMS and MAA national and regional meetings.

Conference Panelist ongoing
Routinely serve as a panelist on panels for Project NExT and Section NExT and other organizations at national and regional meetings of the MAA and AMS.

Program Reviewer ongoing
Regularly serve as an external reviewer for mathematics departments across the country.

Service to Seattle University and the College of Science & Engineering

University Rank & Tenure Committee Fall 2024 – present
Serving on the URTC as a representative of the College of Science & Engineering.

Co-chair of the Reigniting Our Strategic Directions Goal 2.2 Spring 2022 – Spring 2023
Served as co-chair of strategic direction focused on professional formation for faculty.

Co-chair of CSE Dean Search Committee Summer 2021 – Spring 2022
Co-led committee to hire the next dean of the College of Science and Engineering.

CSE Faculty Senate Bylaws Committee Spring 2019 – Fall 2021
Served on committee to create first bylaws for proposed new College of Science & Engineering Faculty Senate.

Physics Departmental Personnel Committee Fall 2019
Served as a departmental committee member to evaluate the promotion case for a Physics faculty member.

Peer Teaching Reviewer Spring 2014 – Summer 2017
Conducted nine formal peer teaching reviews for faculty members both within and outside of the math department.

Faculty Learning Community Facilitator Fall 2016 – Winter 2017
Facilitated a faculty learning community on Paul Silvia's book "How to Write a Lot" for the Center for Faculty Development.

Service to the Seattle University Mathematics Department

Undergraduate Research Advisor Fall 2010 — present
Advised several undergraduate research projects for 31 SU students.

Student Academic Advisor Fall 2010 – present
Advisor to Seattle University undergraduate math majors.

Math + Art Speaker Series Founder & Organizer Fall 2014 – present
Founded and organized annual speaker series to bring math artists to campus to speak about their work.

Math Department RIDER Committee Winter 2019 – present
Serving on department committee to improve recruitment and retention of students by improving departmental climate.

Promotion Review Chair Fall 2022
Served as acting chair for the promotion to the rank of professor process for a faculty colleague.

Promotion Review Committee Member Fall 2022
Served on the committee to evaluate one faculty colleague for promotion to the rank of professor.

Promotion Review Committee Member Fall 2021
Served on the committee to evaluate two faculty colleagues for promotion to the rank of professor.

Co-organizer of Mathematics Department Colloquium Series Fall 2019 – Spring 2020
Served one-year term to co-organize this weekly speaker series.

Chair of the Mathematics Department Summer 2014 – Spring 2017
Served a three-year term as chair with countless responsibilities.

SMART Fridays Winter 2016 – Spring 2017
Launched and co-organized monthly event that serves as a forum for students to present their undergraduate research in math, applied math, or statistics.

Math Department Bylaws Committee Spring 2016 – Spring 2017
Served as chair of a committee to develop department bylaws.

Math Department Assessment Committee Fall 2014 – Spring 2017
Served on a three-person departmental committee to assess our department's curriculum.

PROFESSIONAL AFFILIATIONS

Mathematical Association of America (MAA)
National Association of Mathematicians (NAM)
American Mathematical Society (AMS)
Council on Undergraduate Research (CUR)
Association for Women in Mathematics (AWM)
Project NExT (Red08 Dot)
Math Alliance
Phi Beta Kappa (ΦBK)