

ALLISON HENRICH

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EDUCATION

Dartmouth College Ph.D., Mathematics, Advisor: Vladimir Chernov	Summer 2005 – Spring 2008
Dartmouth College M.A., Mathematics	Fall 2003 – Spring 2005
University of Washington, Seattle B.S., Mathematics, <i>Magna Cum Laude</i> B.A., Philosophy, <i>Magna Cum Laude</i>	Fall 1999 – Spring 2003

APPOINTMENTS

Professor Seattle University	Fall 2019 – present
Associate Professor Seattle University	Fall 2014 – Summer 2019
Mathematics Department Chair Seattle University	Summer 2014 – Summer 2017
Assistant Professor Seattle University	Fall 2009 – Spring 2014
Research Experiences for Undergraduates Mentor University of Washington, Math REU	Summers 2010, 2011, 2012
Research Experiences for Undergraduates Mentor Williams College, SMALL REU	Summer 2009
Assistant Professor Oberlin College	Fall 2008 – Spring 2009
Instructor Bellevue Community College	Winter 2001 – Spring 2003

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
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

Seattle University (cont.)*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

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

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.*

Mathematics Research (Peer reviewed)

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), 461–487.

2. Allison Henrich and Sam Nelson. “Semiquandles and Flat Virtual Knots.” *Pacific Journal of Mathematics*, Vol. 248, No.1 (2010), 155–170.
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), 625–650.
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), 126–134.
5. Allison Henrich and Inga Johnson. “The Link Smoothing Game.” *AKCE International Journal of Graphs and Combinatorics*, Vol. 9, No. 2 (2012) 145–159.
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) 1–15.
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) 1–21.
8. Allison Henrich and Louis Kauffman. “Unknotting Unknots.” *American Mathematical Monthly*, Vol. 121, No. 5 (2014) 379–390.
9. Allison Henrich and Slavik Jablan. “On the Coloring of Pseudoknots.” *Journal of Knot Theory and Its Ramifications*, Vol. 23, No. 12 (2014).
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).
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).
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).
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).
14. Sarah Brown*, Franky Cabrera*, Riley Evans*, Gianni Gibbs*, Allison Henrich, and James Kreinbühl[†]. “The Region Unknotting Game.” *Mathematics Magazine*, Vol. 90, No. 5 (2017).
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).
16. Colin Adams, Allison Henrich, Kate Kearney, and Nicholas Scoville. “Knots Related by Knotoids.” *American Mathematical Monthly*, Vol. 126, No. 6 (2019).

17. Allison Henrich, Inga Johnson, and Jonah Ostroff, “The Region Smoothing Swap Game.” *Osaka Journal of Mathematics*, Vol. 58, No. 1 (2020).
18. Hunter Adams*, Allison Henrich, and Solden Stoll[‡], “The KnotLink Game.” *PUMP Journal of Undergraduate Research*, Vol. 3 (2020).
19. Sandy Ganzell and Allison Henrich, “Virtual Mosaic Knot Theory.” *Journal of Knot Theory and Its Ramifications*, (2020).
20. Allison Henrich and Robin Truax[‡], “Petal Projections, Knot Colorings and Determinants.” *submitted for publication*, (2020).
21. Allison Henrich, Alexandra Ionescu*, Brooke Mathews*, Isaac Ortega*, and Kelemua Tesfaye*, “Knotris: A New Game.” *submitted for publication*, (2020).

Education Research & Writing (Peer reviewed)

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).
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, DOI:10.1080/10511970.2015.1067264, (2015) 105–124.
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, DOI:10.1080/10511970.2016.1174967, (2016) 788–802.
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, DOI:10.1080/10511970.2016.1183248, (2017) 320–336.

Books

1. Inga Johnson and Allison Henrich. *An Interactive Introduction to Knot Theory*, Dover Publications, Inc., Mineola, NY, 2017.
2. Michael Dorff, Allison Henrich, and Lara Pudwell. *A Mathematician’s Practical Guide to Mentoring Undergraduate Research*. Vol. 63. American Mathematical Soc., 2019.
3. Louis Kauffman and Allison Henrich. *The Mathematics of Rope Magic*, to be published by Princeton University Press, 2022.

Edited Books

1. Eds. Erica Flapan, Allison Henrich, Aaron Kaestner, and Sam Nelson. *Knots, Links, Spatial Graphs, and Algebraic Invariants*, American Mathematical Society, Providence, RI, 2017.
2. Eds. Allison Henrich., Emille Lawrence, Matthew Pons, and David Taylor. *Living Proof: Stories of Resilience Along the Mathematical Journey*, American Mathematical Society, 2019.

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

Articles

1. Moshe Cohen and Allison Henrich. “A Knot Game with not KNERds,” *Math Horizons*, November 2012, 25–29.
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.
3. Allison Henrich. “Visions of Mathematics,” *Introduction to artist’s book Dreams of Pythagorus by Michael Schultheis*, 2014.
4. Allison Henrich. “I am so glad you made that mistake!” *AMS Blog On Teaching and Learning Mathematics*, 2017.
5. Allison Henrich. “The Power of Bravery,” *MAA FOCUS*, June/July 2018, 16–17.
6. Allison Henrich. “Veronika Irvine: The The Art and Mathematics of Making Bobbin Lace,” *Mathematics Magazine*, Vol. 91, No. 4, (2018) 307-309.
7. Allison Henrich. “Robert Bosch: From Dominos to Traveling Salespeople,” *Mathematics Magazine*, Vol. 92, No. 4, (2019) 305-307.
8. Allison Henrich. “Henry Segerman: Visualizing Topology,” *Mathematics Magazine*, Vol. 93, No. 4, (2020) 301-305.
9. Allison Henrich and Matthew Pons. “Teaching Using Living Proof,” *AMS Living Proof Blog*, 2020.
10. Allison Henrich. “Knotris: A Game Inspired by Knot Theory,” *Math Horizons*, Vol. 28, No. 2, (2021).
11. Allison Henrich. “John Edmark: Art in Motion,” to appear in *Mathematics Magazine*.
12. Allison Henrich. “Be Inspirable,” to appear in *Notices of the AMS*.

Educational Products

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

EXTERNAL GRANTS FUNDED

Center for Undergraduate Research in Mathematics

NSF DMS Grant #1722563

Awarded \$15,700 to support a team of student researchers during the 2019-20 academic year.

Seattle University Mathematics Early Research Program

NSF DMS Grant #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

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.

Seattle University Summer Research Faculty Stipend (2011)

Awarded \$7500 for mentoring undergraduate researchers.

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 PRESENTATIONS

Six Fundamental Steps to Mentoring Undergraduate Research

January 17, 2020

Joint Mathematics Meetings, Denver, CO, Invited Talk

It’s All Fun and Games Until Someone Becomes a Mathematician

November 7, 2019

College of William and Mary, Bourdon - Evans Lecture

September 21, 2019

WIMIN Conference, Alice Dickinson Lecture in Mathematics

July 20, 2019

UnKnot IV Conference, University of Washington - Bothell, Plenary Talk

March 23, 2018

MAA Tri-section Meeting, Valparaiso University, Plenary Talk

March 19, 2018

University of Washington Math Day, Invited Talk

It's All Fun and Games Until Someone Becomes a Mathematician (cont.)*February 14, 2018*

Pacific Lutheran University, Mathematics Colloquium

November 11, 2017

University of Dayton Undergraduate Math Day, Plenary Talk

November 7, 2017

University of Washington Tacoma, Invited Talk

*October 14, 2017*Northwest Undergraduate Mathematics Symposium, Western Washington University,
Plenary Talk*September 21, 2017*

Harvey Mudd College, Michael E. Moody Lecture

A Conversation About Living Proof: Stories of Resilience...*October 12, 2019*Pacific Math Alliance Conference, East Bay, CA, Contributed Talk
Joint with Emille Lawrence**(An Interactive Introduction to) The Curious Universe of Virtual Knots***November 7, 2019*

College of William and Mary, Invited Talk

January 19, 2019

Joint Mathematics Meetings, Baltimore, MD, Invited Talk

Knots Related by Knotoids*April 13, 2019*

MAA Sectional Meeting, Portland, OR, Invited Talk

March 22, 2019

AMS Sectional Meeting, Honolulu, HI, Invited Talk

A Knotty Exploration of Magic and Math*February 23, 2019*Highline Community College, 2019 Western WA Comm College Students
Math Conference, Invited Talk*February 7, 2019*

Seattle University, Colloquium Talk & Workshop

March 28, 2018

Central Washington University, Mount Stuart Mathematics Seminar Talk & Workshop

*February 28, 2018*Elon University, *Pi Mu Epsilon* Invited Talk & Workshop*February 27, 2018*

Davidson College, Invited Talk & Workshop

An Intransitive Relation on Knots*November 4, 2017*

AMS Sectional Meeting, Riverside, CA, Invited Talk

September 19, 2017

Claremont Colleges Topology Seminar, Invited Talk

Teaching An Interactive Introduction to Knot Theory*July 29, 2017*

MathFest, Chicago, IL, Contributed Talk

Daily Student Presentations in Quantitative Reasoning and Calculus*June 17, 2017*

Pacific Northwest MAA Sectional Meeting, Gonzaga University, Contributed Talk

January 11, 2015

Joint Mathematics Meetings, San Antonio, TX, Contributed Talk

Knot Fertility and Heredity*March 11, 2017*

AMS Sectional Meeting, Charleston, SC, Invited Talk

January 5, 2017

Joint Mathematics Meetings, Atlanta, GA, Invited Talk

Knotty Games*November 10, 2016*Brigham Young University, *Focus on Math* Invited Talk*April 1, 2016*

University of Central Arkansas, OK-AR MAA Section Meeting, Court Lecture

February 11, 2016

Seattle University, Colloquium Talk

This is Knot a Trick!*August 5, 2016*

MathFest, Columbus, OH, Invited Talk

Unknotting Knots*August 4, 2016*

MathFest, Columbus, OH, Invited Talk

Knotty Games & Unknotting Operations*August 2, 2016*

UnKnot Conference, Denison University, Invited Talk

Be Inspirable*August 7, 2015*

Mathfest, Washington D.C., Alder Award Recipient Invited Address

RECENT SERVICE

Service to the Mathematics Community

- Founder and Editor of AMS Living Proof Blog* Fall 2019 – present
Serving a four-year term as Editor-In-Chief.
- Associate Editor of the College Mathematics Journal* Winter 2019 – present
Serving a four-year term on the editorial board of the MAA publication.
- 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.
- Program Coordinator, UR SIGMAA* Winter 2019 – present
Serving in the role on the leadership team of the Special Interest Group of the MAA responsible for organizing events related to undergraduate research.
- Referee and Reviewer* Fall 2010 – present
Have 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*, and MCURCSM as well as various books, book chapters, and book proposals.
- MAA Committee on the Alder Award* Fall 2017 – present
Serving a four year term on this MAA committee to determine Alder Award winners.
- PNW-MAA Distinguished Teaching Award Committee* Fall 2019 – present
Serving a four year term on this committee of our regional MAA section.
- 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.
- 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.
- 2019 JMM Project NExT Panelist* January 2019
Contributed to panel: “Mentoring Undergraduate Researchers for Beginners” at the Joint Mathematics Meetings in Baltimore, MD.
- 2018 PNW MAA Workshop Presenter* April 2018
Presented in a math faculty training on how to be an undergraduate research mentor as a part of the Pacific Northwest MAA Sectional Meeting at Seattle University.
- 2018 MAA Trisection Meeting Panelist* March 2018
Contributed to panel: “Encounters in Experiential Learning” at the MAA Trisection meeting in Valparaiso, IN.
- 2018 PNW MAA Section Meeting Planning Committee* Fall 2015 – Summer 2017
Served on the planning committee for the MAA PNW Section Meeting to be hosted at Seattle U. in Spring 2018. Secured funding, invited plenary speakers, and corresponded with section leadership.
- 2018 AMS Special Session Organizer* Spring 2017 – Spring 2018
Co-organized a special session entitled “Special Session on Algebraic and Combinatorial Structures in Knot Theory” for the 2018 AMS Spring Western Section Meeting in Portland, OR.

- 2018 JMM Special Session Organizer* Winter 2017 – Winter 2018
Co-organized a special session entitled “Open & Accessible Problems for Undergraduate Research” for the 2018 Joint Mathematics Meetings in San Diego, CA.
- 2017 MathFest Project NExT Panelist* July 2017
Contributed to panel: “Strategies to prepare for classes before the semester starts” at MathFest in Chicago, IL.
- 2017 JMM Project NExT Panelist* January 2017
Contributed to panel: “The Research and Teaching Pendulum: Finding a Stable Equilibrium” at the Joint Mathematics Meetings in Atlanta, GA.
- 2017 JMM Joint Committee on Women Panelist* January 2017
Contributed to panel: “From Calculus to a Bachelor’s Degree: Encouraging and Developing Undergraduate Math Majors” at the Joint Mathematics Meetings in Atlanta, GA.
- 2017 AMS Special Session Organizer* Summer 2016 – Spring 2017
Co-organized a special session entitled “Combinatorial and Algebraic Structures in Knot Theory” for the 2017 AMS Spring Western Sectional Meeting in Pullman, WA.
- 2017 JMM Special Session Organizer* Winter 2016 – Winter 2017
Co-organized a special session entitled “Open & Accessible Problems for Undergraduate Research” for the 2017 Joint Mathematics Meetings in Atlanta, GA.
- Fall 2016 Cascade Topology Seminar Guest Organizer* Fall 2015 – Fall 2016
Organized the Fall 2016 Cascade Topology Seminar, held at Seattle University on November 19-20, 2017. Invited speakers, publicized event, and handled all local arrangements.
- MAA Social Media Task Force Member* Winter 2016 – Spring 2016
Served as a member of the MAA Social Media Task Force to help determine the future direction of MAA’s engagement with social media.
- 2016 JMM Special Session Organizer* Winter 2015 – Winter 2016
Co-organized a special session entitled “Knots in Washington (State)” for the 2016 Joint Mathematics Meetings in Seattle, WA.
- 2015 AMS Special Session Organizer* Winter 2015 – Fall 2015
Co-organized a special session entitled “Algebraic and Combinatorial Structures in Knot Theory” for the 2015 AMS Fall Western Sectional Meeting in Fullerton, CA.

Service to Seattle University and the College of Science & Engineering

- CSE Faculty Senate Bylaws Committee* Spring 2019 – present
Serving 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.
- Panelist on Undergraduate Research Panel* Fall 2016
Panelist on panel devoted to the topic of undergraduate research for the Center for Faculty Development.
- S & E Grant Accounting Technician Hiring Committee* Spring 2016
Served on a 3-person committee to hire our college’s new Grant Accounting Technician.
- Learning Assistance Programs Learning Strategy Workshops* Spring 2012 – Winter 2016

Helped to develop and facilitate workshop entitled “How to study for and succeed in a math class.”
Facilitated workshop 1-2 times each year.

Panelist on Consortium of Interdisciplinary Scholars Panel Spring 2015
Panelist for “STEM + ART = STEAM: What might the sum look like at SU?”

New Chair and Director Institute Planning Committee Winter 2015 – Spring 2015
Served on the planning committee for the second NCDI, a workshop that serves to prepare new chairs and directors at SU.

Service to the Seattle University Mathematics Department

Undergraduate Research Advisor Fall 2010 — present
Advised several undergraduate research projects for 16 SU students.

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

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

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

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

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
Serving as chair of a committee to develop department bylaws.

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

Math Department Senior Synthesis Redesign Committee Winter 2015 – Winter 2016
Served on a three-person departmental committee to dramatically redesign the senior synthesis experience for all math majors.

PROFESSIONAL AFFILIATIONS

Council on Undergraduate Research (CUR)
Mathematical Association of America (MAA)
American Mathematical Society (AMS)
Association for Women in Mathematics (AWM)
Math Alliance