

Jason Callahan

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Education

- Ph.D. in Mathematics, The University of Texas at Austin (UT-Austin), May 2009. Advisor: Alan Reid. Thesis: *The Arithmetic and Geometry of Two-Generator Kleinian Groups*. GPA: 4.0.
- B.S. in Mathematics, UT-Austin, May 2002. Dean's Honored Graduate with Highest Honors and Special Honors in Mathematics. GPA: 4.0.

Academic Appointments and Leadership Positions

- Professor (since 2019), Associate Professor (2014-19, tenured in 2016), and Assistant Professor (2009-14), SEU.
 - Honors Senior Thesis, Research, Abstract Algebra, Applied Statistics, Linear Algebra, Calculus I, II, and III, Calculus I Lab, Precalculus, Math for Liberal Arts, Science Seminar, and Science/Math First Year Seminar.
- Faculty Senate President and Senate Executive Committee Chair, SEU, since 2020.
 - Board of Trustees, Institutional Oversight and Academic Affairs Committee, University Planning Council, Budget Council, Council of Deans, Academic Instruction Workgroup, Presidential Transition and Integration Committee, Presidential Inauguration Subcommittee, and Spring Registration and Start Date Task Force.
- Chair, Mathematical Association of America Texas Section and Executive Committee, since 2020.
- Lecturer, UT-Austin, Summer 2009. Introduction to Real Analysis and Differential and Integral Calculus.
- Assistant Instructor, UT-Austin, 2005-2008. Pedagogy for Math TAs, Differential Calculus, and Precalculus.
- Teaching Assistant (TA) and Supplemental Instruction Leader, UT-Austin, 2003-04.
 - Differential Equations and Differential and Integral Calculus.

Teaching, Service, and Research Awards

- 2018 Mathematical Association of America Texas Section Ron Barnes Distinguished Service to Students Award.
- 2018 St. Edward's University School of Natural Sciences Dean's Excellence in Teaching Award.
- 2015 St. Edward's University Distinguished Teaching Award Finalist.
- 2015 St. Edward's University School of Natural Sciences Dean's Excellence in Research Award.
- 2014 St. Edward's University School of Natural Sciences Distinguished Teaching Award.
- 2007 UT-Austin Department of Mathematics Outstanding Teaching Award.
- 2004 UT-Austin Frank Gerth III Teaching Excellence Award.

Publications and Other Writing

- Torus Knots. *Encyclopedia of Knot Theory*, Chapter 15: 105-110. Edited by Colin Adams, Erica Flapan, Allison Henrich, Louis Kauffman, Lew Ludwig, and Sam Nelson. CRC Press, Boca Raton, FL: 953 pages, 2021.
- Analysis of a Length-Structured Density-Dependent Model for Fish (with Eric Eager, Richard Rebarber, Eva Strawbridge, and Shenglan Yuan). *Bulletin of Mathematical Biology*, 81(10): 3732-3753, 2019.
- Solving Scramble Squares Puzzles with Repetitions (with Maria Mota). *Involve: a Journal of Mathematics*, 12(2): 343-349, 2019.
- Aesthetics in a Mathematics for Liberal Arts Project (with Carol Gee). *Journal of Humanistic Mathematics*, 7(1): 139-146, 2017.
- Assessing Online Homework in First-Semester Calculus. *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies*, 26(6): 545-556, 2016.
- Markov Chains to Compute Expected Game Lengths of "Chutes and Ladders" (with Harris Greenwood). *Pi Mu Epsilon Journal*, 14(4): 243-250, 2016.
- *Knots, Molecules, and the Universe: An Introduction to Topology* (with Erica Flapan et al.). American Mathematical Society (AMS), Providence, RI: 386 pages, 2016.
- Analysis of a Coupled, n -Patch Population Model with Density Dependence (with Richard Rebarber, Eva Strawbridge, Brigitte Tenhumberg, et al.). *International Journal of Difference Equations*, 10(2): 137-159, 2015.
- Denominators and Differences of Boundary Slopes for $(1,1)$ -Knots. *Boletín de la Sociedad Matemática*

Mexicana, 21(2): 275-287, 2015.

- Assessing Online Homework in Mathematics for Liberal Arts (with Carol Gee). *Lilly Conference Proceedings on College and University Teaching and Learning*, Austin, TX: 5-8, 2014.
- Conjugate Generators of Knot and Link Groups. *J. of Knot Theory and Its Ramifications*, 19(7): 905-916, 2010.
- *The Arithmetic and Geometry of Two-Generator Kleinian Groups*. ProQuest/UMI, 2010.
- Jørgensen Number and Arithmeticity. *Conformal Geometry and Dynamics*, 13: 160-186, 2009.
- Haiku in “Math in Seventeen Syllables: A Folder of Mathematical Haiku.” *Journal of Humanistic Mathematics*, 8(1): 441-472, 2018.
- Explanation in “UT Math Professor Luis Caffarelli Wins Wolf Prize For Something That Has To Be Explained To Us.” *Austinist*, Jan. 26, 2012.
- Permutation Lattices of Finite Groups. Senior Honors Thesis, UT-Austin, 2002.
- Integrodifferential Equations (Pritchard Fluid Mechanics Laboratory). REU Report, Penn State University, 2000.

Talks and Panels

- Careers in Mathematics. School of Natural Sciences First-Year Seminar, SEU, Oct. 26, 2020.
- Road to and Careers in Academia. McNair Scholars Program, SEU, Nov. 15, 2019.
- Careers in Mathematics. School of Natural Sciences First-Year Seminar, SEU, Oct. 16, 2019.
- Transparency in the Research Process: Approaches to Supporting Undergraduates Doing Academic Research. Center for Teaching Excellence, SEU, Mar. 6, 2019.
- Careers in Mathematics. School of Natural Sciences First-Year Seminar, SEU, Oct. 29, 2018.
- Analysis of a Length-Structured Model for Fish. Mathematical Association of America (MAA) Texas Section Meeting, El Centro College, April 6, 2018.
- Road to and Careers in Academia. McNair Scholars Program, SEU, Nov. 17, 2017.
- Active Learning and Academic Support in Calculus I (with Carly Badke). School of Natural Sciences Faculty Learning Community, SEU, Sept. 20, 2017.
- Assessing a Course Design to Reinforce Active Learning and Academic Support (with Carly Badke). Teaching Symposium: A Conference on College Teaching, SEU, Aug. 24, 2017.
- General Education Big Tent Event: How to Make Your Course Part of the New Gen Ed (with Dan Glenn et al.). Teaching Symposium: A Conference on College Teaching, SEU, Aug. 24, 2017.
- Analysis of a Coupled, n -Patch Population Model with Density Dependence. ApREUF: Applied Research Experience for Undergraduate Faculty AMS Special Session, Joint Mathematics Meetings, Atlanta, Jan. 6, 2017.
- Chutes, Ladders, and Markov Chains. RE(UF)search on Graphs and Matrices AMS Special Session, Joint Mathematics Meetings, Atlanta, GA, Jan. 5, 2017.
- Research Support Networks. Joint Mathematics Meetings, Atlanta, GA, Jan. 4, 2017.
- Mid-semester Student Feedback and Learning through Active Questioning. Teaching Symposium: A Conference on College Teaching, SEU, Aug. 25, 2016.
- Living-Learning Community/Active Learning (LLCAL) NSF Project (with Richard Kopec et al.). Teaching Symposium: A Conference on College Teaching, SEU, Aug. 25, 2016.
- Analysis of a Coupled, n -Patch Population Model with Density Dependence. MAA Texas Section Meeting, Stephen F. Austin State University, April 1, 2016.
- Faculty Positions at Undergraduate Institutions. College of Natural Sciences Grad Student and Postdoc Professional Development Seminar, UT-Austin, June 11, 2015.
- Chutes, Ladders, and Markov Chains. MAA Texas Section Meeting, San Antonio, TX, April 10, 2015.
- Perspectives & Suggestions on General Education Assessment (with David Blair et al.). Teaching Symposium: A Conference on College Teaching, SEU, Aug. 21, 2014.
- Assessing Online Homework in Calculus and Mathematics for Liberal Arts. MAA Texas Section Meeting, Texas A&M International University, April 4, 2014.
- Teaching Quantitative Literacy Across the Curriculum. Center for Teaching Excellence, SEU, Feb. 19, 2014.
- Assessing Online Homework in Calculus and Mathematics for Liberal Arts (with Carol Gee). Lilly Conference

- on College and University Teaching and Learning, Austin, TX, Jan. 3, 2014.
- Careers in Academia. Graduate Professional Development Week, UT-Austin, Sept. 10, 2013.
- Online Homework in the General Education Mathematics Courses (with Carol Gee et al.). Teaching Symposium: A Conference on College Teaching, SEU, Aug. 22, 2013.
- Inquiry-Based Learning Projects in an Applied Statistics Course. 16th Annual Legacy of R. L. Moore Conference, Austin, TX, June 13, 2013.
- Quantitative Literacy and World Societies. World History Association of Texas Conference: Global Identities in the Digital Age/Phi Alpha Theta Honor Society Central/West Texas Regional Conference, SEU, March 2, 2013.
- Measuring Rope: How Open Should Open-Ended Projects Be? Teaching Showcase: A Conference on College Teaching, SEU, Aug. 25, 2011.
- General Education in the Global Century: The SEU Project Team (with Richard Kopeck et al.). Teaching Showcase: A Conference on College Teaching, SEU, Aug. 25, 2011.
- The Arithmetic and Geometry of Two-Generator Kleinian Groups. Topology Seminar, UT-Austin, Apr. 17, 2009.
- Jørgensen Groups. Junior Topology Seminar, UT-Austin, April 15, 2009.
- Conjugate Generators of Knot and Link Groups. Topology Seminar, UT-Austin, April 21, 2008.
- Jørgensen Groups. Junior Topology Seminar, UT-Austin, April 2, 2008.
- Dirichlet's Unit Theorem. Junior Number Theory Seminar, UT-Austin, Oct. 9, 2007.
- Thurston's Hyperbolic Dehn Surgery Theorem. Junior Topology Seminar, UT-Austin, Sept. 26, 2007.
- Representations of 2-Bridge Knot and Link Groups. Junior Topology Seminar, UT-Austin, Feb. 21, 2007.
- Boundary Slopes for 2-Bridge Links. Junior Topology Seminar, UT-Austin, Nov. 30, 2005.
- The Finite Filling Conjecture (Ph.D. candidacy talk). Topology Seminar, UT-Austin, April 29, 2005.
- A Proof of the Finite Filling Conjecture. Junior Topology Seminar, UT-Austin, April 20, 2005.
- Introducing Khovanov Homology. Junior Topology Seminar, UT-Austin, Nov. 24, 2004.
- Introduction to and Computation of Witt Rings. Junior Algebra Seminar, UT-Austin, Feb. 9, 2004.
- Bilinear Forms. Sophex Seminar, UT-Austin, Nov. 21, 2003.
- Integrodifferential Equations (Pritchard Fluid Mechanics Laboratory). Mathematics Advanced Study Semester Fest Conference, Penn State University, July 31, 2000.

Grants and Related Funding

- STEM Faculty Advisor (since 2012) and Research Director (2013-17), SEU McNair Scholars Program with U.S. Department of Education TRIO Grant funding.
- Co-Principal Investigator (co-PI), NSF Improving Undergraduate STEM Education (IUSE) Grant #1525490 "SEU Living Learning Community/Active Learning (LLCAL) Project," \$1.6 million, 2015-21.
- Presidential Excellence Research Grant, SEU, Summers 2014 and 2021.
- Dr. M. Jean McKemie and Suzanne Mason Endowed Student/Faculty Fund for Innovative Mathematics Summer Scholarship for eleven student research projects, SEU, Summers 2014-21.
- Course Development Grants, SEU, Summers 2010, 2011, 2012, 2014, and 2021.
- NSF IUSE Grant #1525490 funding for active learning course development, Summers 2016 and 2020.
- Scholarship, Pedagogical Innovation, and/or Creative Expression (SPICE) Grant, SEU, 2017-20.
- Co-PI, NSF mini-grant "Building Community to Prepare for Graduate Study in Mathematics," \$4475, 2017-18.
- NSF IUSE Grant #1525490 funding for three student research projects, SEU, Summers 2017 and 2018.
- Preparing for Scholarship, Pedagogical Innovation, and/or Creative Expression (P-SPICE) Grant, SEU, 2016-17.
- McNair Scholars Program funding for two student research projects, SEU, Summers 2013 and 2015.
- Brother Romard Barthel, CSC, '47 Student/Faculty Summer Research Fund for four student research projects, SEU, Summers 2013 and 2014.
- Graduate Research Assistantship, UT-Austin, Summers 2004, 2006, and 2008 and Spring 2009.
- AMS Graduate Student Travel Grant for Joint Mathematics Meetings (JMM), Washington, DC, Jan. 5-8, 2009.
- NSF VIGRE (Vertical Integration of Research and Education) Graduate Traineeship, UT-Austin, 2002-06.
- NSF Graduate Research Fellowship Honorable Mention, 2002.

- Undergraduate NSF VIGRE Grant to fund research for Senior Honors Thesis, UT-Austin, 2001.

Research and Professional Development Programs and Workshops (external funding noted)

- MAA - Society of Industrial and Applied Mathematics (SIAM) & Transdisciplinary Research in the Principles of Data Science (TRIPODS) Advanced Workshop in Data Science for Mathematical Sciences Faculty, Institute for Computational and Experimental Research in Mathematics (ICERM) at Brown University, June 28-July 2, 2021.
- MAA Preparation for Industrial Careers in Mathematical Sciences (PIC Math) Workshop on Data Science, Brigham Young University, June 18-22, 2019.
- Research Experiences for Undergraduate Faculty (REUF) continuation meeting, James Madison University, July 31-Aug. 4, 2017. Full funding from American Institute of Mathematics (AIM).
- REUF Workshop on the Mathematics of Data, Topological Data Analysis research group, Information Initiative at Duke University, July 18-22, 2016. Full funding from NSF and AIM.
- Workshop for Mentors of Undergraduate Mathematics Research by Minority Students, Park City Math Institute, July 5-11, 2015. Full funding from Institute for the Advanced Study (IAS).
- REUF continuation meeting, SEU, Aug. 11-15, 2014. Full funding from AIM.
- REUF Workshop, ICERM at Brown University, July 22-26, 2013. Full funding from NSF and AIM.
- Undergraduate Faculty Program, Park City Math Institute, July 3-23, 2011. Full funding from IAS.
- AMS Mathematics Research Communities (MRC) Program “The Geometry of Real Projective Structures” in Snowbird, UT, June 12-18, 2011. Full funding from NSF.
- MAA Texas Section Project NExT (New Experiences in Teaching) Fellowship with workshops at the 2011-16 MAA Texas Section Meetings and 2013 Texas Undergraduate Mathematics Conference (TUMC).
- 14th-16th Annual Legacy of R. L. Moore Inquiry-Based Learning (IBL) Conferences and workshops: 2011 in Washington, DC, and 2012 and 2013 in Austin. Full funding from Educational Advancement Foundation.
- MAA Project NExT Fellowship with workshops at the 2010-11 MAA MathFest Conferences and 2011 JMM.
- Workshop on 3-Manifolds after Perelman, Heriot-Watt University (Scotland), March 13-17, 2006. International Centre for Mathematical Sciences Travel and Accommodations Support.
- REU Program, Penn State University, June 19-Aug. 5, 2000. Full funding from NSF VIGRE Grant.

Other Conferences, Workshops, and Seminars

- Enhancing Equity Initiatives Workshop, Center for Minorities in Mathematical Sciences, July 9, 2021.
- Cornell University Topology Festival, May 20-21, 2021.
- MAA Texas Section Meetings: 2021 hosted by Collin College, 2019 at Tarleton State University, 2018 at El Centro College, 2016 at Stephen F. Austin State University, 2015 in San Antonio, 2014 at Texas A&M International University, 2013 at Texas Tech University, 2012 at El Centro College, 2011 at UT-Tyler, and 2010 at Abilene Christian University.
- Teaching Symposium: A Conference on College Teaching: 2009-2020 at SEU.
- Geometry of Redistricting Workshop, UT-Austin, Feb. 1-4, 2018.
- Joint Mathematics Meetings (JMM): 2017 in Atlanta, 2011 in New Orleans, and 2009 in Washington, DC.
- NSF-CBMS Regional Conference on Topological Data Analysis, UT-Austin, May 31-June 4, 2016.
- NSF-IUSE Faculty Active Learning Workshop, SEU, May 11-13, 2016.
- Texas Undergraduate Topology and Geometry Conferences: 2014-2016 at UT-Austin.
- Scholarship of Teaching and Learning Circle, Center for Teaching Excellence, SEU, Fall 2014.
- Texas Hispanic Serving Institutions Consortium Spring Conferences: 2012 and 2014 at SEU.
- Workshop on Geometric Structures and Discrete Groups, UT-Austin, May 2-4, 2014.
- Teaching for 21st-Century Literacies Seminar, Center for Teaching Excellence, SEU, Spring 2014.
- Lilly Conference on College and University Teaching and Learning, Austin, TX, Jan. 2-5, 2014.
- Texas Undergraduate Mathematics Conference (TUMC), St. Mary’s University, Oct. 25-26, 2013.
- U.S. News STEM Solutions National Conference, Austin, TX, June 17-19, 2013.
- 3-Manifolds Conference in honor of John Hempel, Rice University, April 19-21, 2013.
- MAA MathFest Conferences: 2011 in Lexington, KY, and 2010 in Pittsburgh, PA.

- SEU Faculty Institute on Globalization and Society (FIGS), Salado, TX, June 6-9, 2010.
- College of Natural Sciences Teaching Strategies Workshop, UT-Austin, Oct. 17-18, 2008.
- Texas Geometry and Topology Conferences: 2005 and 2008 at UT-Austin and 2004 at Texas A&M University.
- 3-Manifolds and Knot Theory Conference, UT-Austin, May 23-25, 2005.
- Emerging Scholars Program Leader Workshop and Training, UT-Austin, Aug. 2005.
- Topology of Manifolds of Dimension 3 and 4 Conference, UT-Austin, May 19-21, 2003.
- Supplemental Instruction Leader Workshop and Training, UT-Austin, Aug. 2003.
- Topology and Junior Topology Seminars, UT-Austin, Spring 2003 to Spring 2009.
- The Millennium Lectures, Department of Mathematics, UT-Austin, Spring 2001.
- Mathematics Advanced Study Semester Fest Conference, Penn State University, July 29-31, 2000.

Undergraduate Research Supervised

- Twenty students since 2010 on topics in graph theory, knot theory, probability, combinatorics, fair division, geometry, racial gerrymandering, Markov chains, tilings, linear algebra, Möbius transformations, and statistics.
- Eight AMS or MAA Student Travel Grants: 2021, 2020, 2018 (two), 2016, 2015, and 2014 (two).
- Six JMM presentations: 2021 (Outstanding Poster Award Honorable Mention), 2020 (Outstanding Poster Award Honorable Mention), 2018 (two), 2016, and 2014.
- Two MAA MathFest presentations: 2015 (Outstanding Presentation Award) and 2014.
- 2017 Young Mathematicians Conference presentation at Ohio State Univ. with full funding.
- Three McNair Scholars National Conference presentations: 2017, 2015, and 2013.
- 2016 National Conference on Undergraduate Research (NCUR) presentation at UNC-Asheville.
- Fifteen MAA Texas Section Meeting presentations: 2021 (two), 2019 (two), 2018 (two), 2017, 2016 (two), 2015 (two), 2014, 2013 (two), and 2012.
- Thirteen TUMC presentations: 2019 (two), 2018 (two), 2017 (two), 2016 (three), 2014, and 2013 (three).
- 2014 Texas Undergraduate Topology and Geometry Conference presentation at UT-Austin.
- Thirteen SEU Symposium on Undergraduate Research and Creative Expression (SOURCE) presentations: 2021, 2020, 2018 (two), 2017 (two), 2016 (two), 2015, 2014, 2013, and 2012 (two).
- Twelve SEU Lucian Symposium presentations: 2020 (two), 2019, 2018 (two), 2017 (two), 2014 (three), and 2013 (two).
- Seventeen SEU School of Natural Sciences Senior Seminar Symposium presentations: 2021, 2020, 2019 (two), 2018 (two), 2017, 2016 (two), 2015 (two), 2014, 2013 (three), and 2012 (two).
- 2020 SEU Honors Thesis Symposium presentation.
- Two SEU McNair Scholars Program Research Symposium presentations: 2015 and 2013.
- Eleven SEU Dr. M. Jean McKemie and Suzanne Mason Endowed Student/Faculty Fund for Innovative Mathematics Summer Scholarship projects: 2021, 2020 (two), 2019, 2018, 2016 (two), 2015, and 2014 (three).
- Three SEU NSF IUSE grant-funded summer research projects: 2018 and 2017 (two).
- Two SEU McNair Scholars Program-funded summer research projects: 2015 and 2013.
- Three SEU Brother Romard Barthel Student/Faculty Summer Research Fund projects: 2014 and 2013 (two).
- Six publications: *SEU Symposium on Undergraduate Research and Creative Expression Conference Proceedings* in 2020, *Involve: a Journal of Mathematics* in 2019, *Pi Mu Epsilon Journal* in 2016, *NCUR Proceedings* in 2016, and *SEU McNair Scholars Program Research Journal* in 2016 and 2014.

Other Professional Affiliations, Service, and Experience

- Member, American Mathematical Society (AMS), Mathematical Association of America (MAA), MAA Texas Section, MAA Special Interest Groups on Undergraduate Research, Inquiry-Based Learning, and Quantitative Literacy, Academy of Inquiry Based Learning (AIBL), and Council on Undergraduate Research (CUR).
- Abstract judge, 2021 MAA Texas Section Meeting, 2011, 2015, and 2017 Young Mathematicians Conferences.
- Referee, *Mathematics Magazine* (2020), *PRIMUS* (since 2015), and *Glasgow Mathematical Journal* (2012).
- Reviewer, AMS Mathematical Reviews, since 2015, and CUR Posters on the Hill 2018, 2019, and 2021.
- Mentor, MAA Mentoring Network, since 2019.

- Consultant and Mentor, MAA Project NExT Consultant Program, since 2017.
- Mentor, National Alliance for Doctoral Studies in the Mathematical Sciences, since 2014.
- MAA Texas Section Ron Barnes Distinguished Service to Students Award Committee, 2018-19.
- Co-organizer, ApREUF AMS Special Session, Joint Mathematics Meetings (JMM), Atlanta, GA, Jan. 6, 2017.
- AMS MRC Focus Group and staffed AMS MRC Exhibition Hall booth, JMM, Atlanta, GA, Jan. 4-5, 2017.
- Moderated graduate student and faculty paper sessions, 2014 MAA Texas Section Meeting.
- MAA Mentoring Network, Committee on Early Career Mathematicians, 2013-2014.
- Judged and moderated undergraduate student talk sessions, 2011 MAA MathFest Conference.
- Judged undergraduate student paper presentation sessions, 2010 MAA Texas Section Meeting.
- Organized and moderated the Junior Topology Seminar, UT-Austin, 2006-07.
- Teaching Assistant, Residential Halls Study Groups, UT-Austin, Spring 2007 to Spring 2008.
- Final Exam Review Instructor, University of Texas Learning Center, Fall 2006 to Fall 2007.
- Graduate Student Assistant, Saturday Morning Math Group, UT-Austin, Fall 2002.
- Associate Editor (math textbooks), Publishers Resource Group, Austin, TX, March to August 2002.
- Tutor, Austin Community College Learning Labs and UT-Austin Women's Athletics Department, Spring 2002.
- Resident Assistant, Division of Housing and Food Service, UT-Austin, 2000-01.
- Taught mathematics at Blanton Elementary School as part of the UTeach Program, Fall 1999.
- Actuarial Intern, USAA, San Antonio, Summer 1999. Received Way2Go Award for analyzing auto insurance.
- Passed Society of Actuaries (SOA) Exams 100, 110, and 140 in 1998-99.
- Tutor, Office of Multi-Cultural Affairs, University of Nebraska-Lincoln, Spring 1999.
- Actuarial Intern, Ameritas Life Insurance Corporation, Lincoln, NE, 1998. Received Silver Bison Award for automating quarterly performance reports for life insurance products.
- Resource Planning Department Intern, CPS Energy, San Antonio, TX, Summers 1996 and 1997.

Service at St. Edward's University (SEU)

- Faculty Senate (since 2013), President (since 2020), Documentarian (2013-16), and Senate Executive Committee (since 2020 and 2013-16).
- Sponsor and advisor for Math Club, SEU's student chapter of MAA, since 2010.
- MAA Departmental Membership Administrator with Office of Sponsored Programs funding, since 2010.
- Spring Registration and Start Date Task Force (for Spring 2021 semester), since 2020.
- Academic Instruction Work Group (to prepare for Fall 2020 semester), since 2020.
- Coordinator for Math Major (2017-20), Research (2011-20), Calculus I (2011-20), and Precalculus (2010-12).
- General Education Advisory/Oversight Committee, 2012-20.
- Medallion Ceremony Faculty Participant (since 2009) and Commencement Marshal (since 2014).
- Faculty Elections and Appointments Committee, 2013-15 and 2017-20.
- Moderator, School of Natural Sciences Senior Seminar Symposium Mathematics Session, since 2013.
- Faculty Committee on Diversity and Inclusion, since 2010.
- Facilitator, Problem Solving/Innovative Thinking General Education Learning Outcomes Committee, 2019-20.
- President's Advisory Council for a Respectful and Inclusive Community Equity Scorecard Committee, 2019-20.
- School of Natural Sciences Travel Committee (funding and travel requests), 2018-20.
- School of Natural Sciences Dean's Excellence in Teaching Award Committee, 2015-16 and 2019-20.
- Department of Mathematics Search Committees, 2011-12, 2013-14, 2014-15, 2015-16, and 2018-19.
- Natural Sciences School Committee (faculty evaluation and administration), 2016-18.
- Chair, Quantitative Reasoning Requirement Development Committee, General Education Renewal, 2016-18.
- School of Natural Sciences Dean's Excellence in Research Award Committee, 2016-17.
- Hilltop Mentors Program Mentor (2009-2017) and Academic Freshman Orientation Subcommittee, 2017.
- Student Academic Support Team, Investing For Our Future Project, 2014-15.
- Coach, SEU Calculus Bowl teams, 2012-2015 MAA Texas Section Meetings.

- Editorial Board, *J-SOURCE* (undergraduate research journal of SOURCE), 2013-14.
- Project Manager, Natural Sciences Learning Clusters Program with TG Public Benefit Grant funding, 2012-14.
- Co-advisor, School of Natural Sciences Dean's Leadership Council, 2013-14.
- Academic Planning Group for University Learning Outcomes, 2013-14.
- Research Coordinator, Natural Sciences Learning Clusters Program with TG Public Benefit Grant funding, 2013.
- Coauthor, Steering Committee, and Quantitative Literacy Subcommittee Chair, AAC&U General Education for a Global Century Project of the Shared Futures: Global Learning and Social Responsibility Initiative, 2010-13.
- School of Natural Sciences alternate representative, Faculty Senate, 2012-13.
- RAVE Award, from an alumnus via the Office of Human Resources, SEU, 2012.
- School of Natural Sciences banner bearer, 2009-12, and Financial Aid and Student Success Committee, 2010-12.
- Taught College Assistance Migrant Program (CAMP) Bridge to College Success Mathematics, 2010 and 2012.
- FIGS Reading Selection Committee, 2010-11, and Participant Selection Committee, 2012.
- Assessment Committee, 2010-11, and Alumni Panel Planning Committee, 2011.

Community Service and Involvement

- Dawson Neighborhood Association and Planning Contact Team (since 2010), Newsletter Deliverer (since 2013) and Board Member (since 2020).
- Sustaining member, KUT Public Radio, *The Texas Observer*, *The Texas Tribune*, and *The Austin Chronicle*.
- Member, KOOP Community Radio, Blanton Museum of Art, Contemporary Austin (art), and Big Medium (art).
- YMCA basketball league manager and Austin Bat Cave volunteer (to develop youth writing skills), 2016.
- Reviewer, Texas Exes Austin Chapter Scholarships, 2016.
- City of Austin Curbside Organics Collection and Dropcountr Water Management Pilot Programs, 2014 and 2015.
- City of Austin Zero Waste and Water Conservation Block Leader (since 2012) and CityWorks Academy (2009).
- Travis County Volunteer Deputy Voter Registrar, 2013-14, and *Austinist* Administrative Coordinator, 2010-13.
- Among "sixty most qualified applicants," Independent Citizens Redistricting Commission, Austin's 10-One Redistricting Initiative, 2013.
- Helped develop Austin's first Annual Performance Report and "Dashboard," 2011.
- Managed nine national tours for four local artists: Okkervil River (Spring and Summer 2005), Bill Callahan (Spring 2007), Shearwater (Summers 2007 and 2008), and Peel (Summer 2007).
- Tutor and Mentor, Webb Middle School, Austin, TX (2006) and Lincoln Action Program, Lincoln, NE (1999).
- Co-founded a record label, I Eat Records, 2005. Released and promoted seven albums for six local artists. Booked and promoted national tours and local benefit shows for SafePlace and Capital Area Food Bank.
- Completed three levels of improv instruction and performed with local improv troupe, 2001-04.