

AWARDS	College of Letters & Sciences Teaching Fellow Award Awarded annually to 15 TAs across the college for excellence in teaching University of Wisconsin-Madison	2012
	Graduate Teaching Award Department of Mathematics, University of Wisconsin-Madison	2011
	Faculty Recognition of a Graduating Senior Awarded annually to 1-2 graduating mathematics majors University of Delaware	2008
PUBLICATIONS	Lynch, A.G. The positive even subalgebra of $U_q(\mathfrak{sl}_2)$ and its finite-dimensional irreducible modules. <i>Submitted</i> . arXiv:1506.02086	
	Lockwood, E., Ellis, A.B., & Lynch, A.G. (In press). Mathematicians' Example-Related Activity When Exploring and Proving Conjectures. <i>International Journal of Research in Undergraduate Mathematics Education</i> .	
	Lynch, A.G. (2015). Cauchy Pairs and Cauchy Matrices. <i>Linear Algebra and its Applications</i> , 471, 320-345. arXiv:1410.2159	
	Lockwood, E., Lynch, A.G. , & Ellis, A.B. (2015). Exhaustive example generation: Mathematicians' uses of examples when developing conjectures. In Fukawa-Connelly, T., Infante, N.I., Keene, K., & Zandieh, M. (Eds.), <i>Proceedings of the Eighteenth Annual Conference on Research on Undergraduate Mathematics Education</i> . pp. 216-230. Pittsburgh, PA	
	Lockwood, E., Lynch, A.G. , Ellis, A.B., & Knuth, E. (2014). Mathematicians' Example-Related Activity in Formulating Conjectures. In Liljedahl, P., Oesterle, S., Nicol, C., & Allan, D. (Eds.), <i>Proceedings of the Joint Meeting of PME 38 and PME-NA 36</i> , Vol. 4, pp. 129-136. Vancouver, Canada	
	Bleak, C., Bowman, H., Lynch, A.G. , Graham, G., Hughes, J., Matucci, F., & Sapir, E. (2013). Centralizers in R. Thompson's group V_n . <i>Groups, Geometry, and Dynamics</i> , 7(4), 821-865. arXiv:1107.0672	
CONFERENCE TALKS	Conference on Research in Undergraduate Mathematics Education <i>Mathematicians' Uses of Examples When Developing Conjectures</i> . Pittsburgh, PA, February 19-21, 2015.	2015
	MAA-AMS Joint Mathematics Meetings <i>Undergraduates' Example-Related Activity in Proving Conjectures</i> . San Antonio, TX, January 10-13, 2015.	2015
	AMS Fall Central Sectional Meeting <i>Finite-Dimensional Irreducible Modules for an Even Subalgebra of $U_q(\mathfrak{sl}_2)$</i> . Eau Claire, WI, September 20-21, 2014.	2014
	Psychology of Mathematics Education 38 <i>Mathematicians' Example-Related Activity in Formulating Conjectures</i> . Vancouver, Canada, July 15-20, 2014.	2014
	Symmetries of Graphs and Networks IV <i>Finite-Dimensional Irreducible Modules for an Even Subalgebra of $U_q(\mathfrak{sl}_2)$</i> . Rogla, Slovenia, June 29-July 15, 2014.	2014
	Modern Trends in Algebraic Graph Theory <i>Finite-Dimensional Irreducible Modules for an Even Subalgebra of $U_q(\mathfrak{sl}_2)$</i> . Villanova, PA, June 1-6, 2014.	2014

	Rocky Mountain Mathematics Consortium Summer School <i>Cauchy pairs and Cauchy matrices.</i> Laramie, WY, June 17-28, 2013.	2013
	AMS Spring Central Sectional Meeting <i>Cauchy pairs and Cauchy matrices.</i> Ames, IA, April 26-28, 2013.	2013
	Shanghai Conference on Algebraic Combinatorics <i>Cauchy pairs and associated Cauchy matrices.</i> Shanghai, China, August 17-22, 2012.	2012
	Graduate Student Combinatorics Conference <i>Cauchy Pairs and Cauchy Transition Matrices.</i> Urbana, IL, April 13-15, 2012.	2012
	MAA-AMS Joint Mathematics Meetings <i>Centralizers in R. Thompson's Group V.</i> San Diego, CA, January 6-9, 2008.	2008
	Fall Meeting of the EPaDel Section of the MAA <i>Arrangements of Affine Hyperplanes in \mathbb{R}^k.</i> West Chester, PA, October 28, 2006.	2006
RESEARCH EXPERIENCE	Mentor for UROC Researcher Ryan Pugh Project: <i>Conviction and Proof in Undergraduate Discrete Mathematics</i>	2016–Present
	Project Assistant for Dr. Eric Knuth and Dr. Amy Ellis National Science Foundation Discovery Research Grant Project: <i>The Role and Use of Examples in Learning to Prove</i>	2013–2015
OUTREACH	Exam Writer and Proofreader, Monterey County Mathletics Competition	2016
	Faculty Mentor, CSUMB Mentoring and Mathematics	2015–Present
	Partner, California Mathematics and Science Partnership grant with Salinas City Elementary School District	2015–Present
	Presenter, Madison Math Circle	2012–2015
	Problem Contributor and Grader, Mega Math Meet	2010–2015
	Co-Organizer, Girl Scouts Math Night	2013
	Mentor, Wisconsin Mentorship Program for Women in Mathematics and Science	2012
PROFESSIONAL SERVICE	Panel Organizer, MAA-AMS Joint Mathematics Meeting <i>Broadening Assessment of Student Learning</i> Seattle, WA, January 6-9, 2016.	2016
	Judge, MAA-AMS Joint Mathematics Meeting Undergraduate Poster Session Seattle, WA, January 6-9, 2016.	2016
	Reviewer, Nineteenth Annual Conference on Research in Undergraduate Mathematics Education, Denver, CO	2015
UNIVERSITY SERVICE	California State University, Monterey Bay Member, College of Science Curriculum Committee	2016–Present
	Mentor for UROC Scholar Malachi Alexander	2016–Present
	Co-advisor, Mathematics & Statistics Club	2015–Present

Member, Mathematics & Statistics Department Curriculum Committee	2015–Present
Member, CSUMB-Hartnell Mathematics Collaboration	2015–Present
Member, Hiring Committee for Statistics Tenure-Track Position	2015
Represented Mathematics Major at Fall Majors Fair	2015
Presentation in Math & Stat Colloquium on “Applying to Graduate School”	2015

University of Wisconsin-Madison

Project Assistant, Instructional Excellence Program	2014–2015
Member, TA Evaluation Committee	2013–2015
Assistant, Math Registration Help Desk	2012–2013
Math Consultant, Summer Orientation, Advising, and Registration	2012

PROFESSIONAL MEMBERSHIPS	Mathematical Association of America	2015–Present
	International Group for the Psychology of Mathematics Education	2014–Present
	Association for Women in Mathematics	2011–Present

ADDITIONAL CONFERENCES ATTENDED	Nineteenth Annual Conference on Research in Undergraduate Mathematics Education, Denver, CO	2016
	MAA MathFest, Washington DC	2015
	Seventeenth Annual Conference on Research in Undergraduate Mathematics Education, Denver, CO	2014
	Research Pre-session of the Annual Meeting of the National Council of Teachers of Mathematics, Denver, CO	2013