

Christopher Ryan Loga
1320 NW Summercrest Blvd, Apt 226
Burleson, TX 76028

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c.ryan.loga@gmail.com
(423) 298-7711

Employment

- **Southwestern Adventist University** Keene, TX
Assistant Professor of Mathematics Fall 2016 - Present
- **University of Tennessee** Knoxville, TN
Graduate Teaching Assistant and Associate Fall 2010 - Summer 2016
- **Southern Adventist University** Collegedale, TN
Mathematics Tutor and Grader Fall 2008 - Spring 2010
- **Private Tutoring** Summer 2008 - Summer 2016

Education

- **University of Tennessee** Knoxville, TN
Ph.D Mathematics 2010 - 2016
 - Ph.D Mathematics, August 2016
Advisor: Dr. Michael Frazier
Thesis: Extension Theorems for Matrix Weighted Sobolev Spaces
Research Interests: Harmonic Analysis
 - M.S. Mathematics, May 2014
- **Southern Adventist University** Collegedale, TN
B.S. Mathematics 2006 - 2010
 - B.S. Mathematics, May 2010
Honors: Cum Laude
 - A.S. Engineering Studies, May 2010

Teaching Experience

- **Southwestern Adventist University**
Instructor: College Algebra, PreCalculus, Calculus 1, Calculus 2, Calculus 3, Differential Equations, Logic and Set Theory, Complex Variables, Abstract Algebra, and Real Analysis
- **University of Tennessee**
Primary Instructor: Basic Calculus, PreCalculus, Calculus 1, and Calculus 2
Recitation Leader: Basic Calculus and Calculus 1

Publications

- C. Ryan Loga, "What is Math? - A Poem," J. Humanistic Math., accepted.
- C. Ryan Loga, "An Extension Theorem for Matrix Weighted Sobolev Spaces on Lipschitz Domains," Houston J. Math., Vol. 43(4): 1209-1233, 2017.

Presentations

- *A Journey Towards Understanding Extension Theorems on Sobolev Space*, Andrews Research Conference: Early Career Researchers in the STEM Disciplines, Berrien Springs, MI, May 18, 2017
- *An Extension Theorem for Matrix Weighted Sobolev Space on a Lipschitz Domain*, AMS Session on Real and Complex Analysis, Joint Math Meetings, Seattle, WA, January 8, 2016
- *An Introduction to Extensions on Sobolev Spaces and Research in Math*, Invited Talk, Southern Adventist University, Collegedale, TN, October 21, 2015
- *An Extension Theorem for Matrix Weighted Sobolev Spaces on Lipschitz Domains parts I and II*, Analysis Seminar, University of Tennessee, Knoxville, TN, October 2nd and 9th in 2015
- *Extension Theorems on Sobolev Space parts I and II*, Analysis Seminar, University of Tennessee, Knoxville, TN, January 30th and February 6th in 2015
- *The Free Central Limit Theorem part I*, Analysis Seminar, University of Tennessee, Knoxville, TN, April 2, 2014

Service

- **ALEKS PPL Coordinator** Keene, TX
Spring 2018 - Present Southwestern Adventist University
- **Joshua Pathfinder Club** Joshua, TX
Fall 2017 - Present Joshua SDA Church
Unit Counselor: 2017 - Present
- **Engineering Liaison to Walla Walla University** Keene, TX
Summer 2017 - Present Southwestern Adventist University
- **University of Tennessee Pro2Serve Math Contest** Knoxville, TN
Fall 2011, Fall 2012, Fall 2013, Fall 2014
Judge: October 2015
Timer: October 2014, 2013, 2012, 2011, 2010
Proctor: October 2013
- **University of Tennessee Adventist Christian Fellowship Student Leader** Knoxville, TN
Fall 2015, Spring 2016
- **First Year Graduate Teaching Assistant Mentor** Knoxville, TN
Fall 2011, Fall 2012, Fall 2013, Fall 2014
- **Southern Adventist University Math Club Secretary** Collegedale, TN
Fall 2009, Spring 2010

Awards/Honors/Grants

- Southwestern Adventist University Sicher Faculty Research and Development Grant: Spring 2017
- University of Tennessee Math Department Summer Research Fellowship Award: Summer 2015
- Southern Adventist University Math Department Outstanding Senior Award: 2010
- Who's Who Among Students in American Universities and Colleges 2010
- Southern Adventist University Audrey-Gackenheimer Excellence in Mathematics Scholarship: 2009

Memberships

- Adventist Education Alliance (AEA): A collaboration between Southern Adventist University, Southwestern Adventist University, and Union College
- American Mathematical Society (AMS)
- Association of Adventist Mathematicians (AAM)
- Mathematical Association of America (MAA)

References