

CONTACT INFORMATION

Louisiana Tech University
Mathematics & Statistics
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Ruston, LA 71272

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EDUCATION

Doctor of Philosophy, Computational Analysis & Modeling
Louisiana Tech University, Ruston, LA

Expected May 2024

Master of Science, Mathematics
University of South Carolina, Columbia, SC

May 2015

Master of Arts, Mathematics
East Carolina University, Greenville, NC

May 2013

Bachelor of Arts, Mathematics/Hispanic Studies
East Carolina University, Greenville, NC
Cum Laude

May 2011

EMPLOYMENT

Instructor
Mathematics and Statistics Program
Louisiana Tech University, Ruston, LA

2020 - Present

Visiting Assistant Professor
Department of Mathematics
Cedar Crest College, Allentown, PA

2019 - 2020

Adjunct Instructor
Departments of Mathematics
Lafayette College, Easton, PA
Cedar Crest College, Allentown, PA

2018 - 2019

Instructor
On Your Time Initiatives
Department of Mathematics
University of South Carolina, Columbia, SC

2016 - 2018

PAPERS/PREPRINTS

A. Clifton, B. Choi, “Analyzing the Digital Brains of Virtual Assistants”	In preparation
A. Clifton, E. Czabarka, K. Liu, S. Loeb, U. Okur, L. Szekely, K. Wicke, “A Note On Tanglegrams”	In preparation
A. Clifton, K. Corbett Cruse, B. Farman, W. Long, “Effects of Mastery Based Grading in Introductory Mathematics”	In preparation
A. Clifton, G. Turner, H. Whitlatch. “Equitable Dissections”	In preparation
A. Clifton, J. Hattingh, E. Jonck. “Lower Bounds for the Packing Chromatic Number of Regular Graphs”	In preparation
A. Clifton, A.L. Lewis, “But who <i>should</i> have won? Simulating outcomes of judging protocols and ranking schemes,” <i>Foundations for Undergraduate Research in Mathematics</i> , Birkhaus/Springer	July 2022
“The Packing Chromatic Number of Random d-Regular Graphs,” Master’s Thesis	August 2015
“Irredundant and Mixed Ramsey Numbers,” Master’s Thesis	November 2012

MENTOR EXPERIENCE

LOUISIANA TECH UNIVERSITY

Mentored one master’s degree student on the statistical analysis in a project concerning measures of trust for human-machine automation. Winter 2022

CEDAR CREST COLLEGE

Co-mentored (with Dr. Joshua Harrington) one undergraduate student in a research project concerning Paley-Type Graphs. Fall 2019 - Spring 2020

HONORS, AWARDS, AND RECOGNITION

COES RED Travel Grant Fall 2022
Travel support to attend the Joint Mathematics Meetings \$600
Louisiana Tech University, Ruston, LA

Innovative Pedagogy Grant Spring 2018
Flipping the Calculus I Classroom \$2,070
University of South Carolina, Columbia, SC

Two Thumbs Up Award Spring 2018
University of South Carolina, Columbia, SC

PROFESSIONAL DEVELOPMENT

<i>American Mathematical Society Mathematics Research Communities</i> “Trees in Many Contexts” Participant	2022
<i>LA Tech Online Instruction Training</i> Four virtual courses on incorporating universal design and active learning in online courses.	July 2022
<i>University of Louisiana System: Bridging the Divide</i> Five virtual workshops concerning various aspects of student success and development.	Summer 2020
<i>LVAIC Teagle Video Creation Workshop: Levels 1 and 2</i> Lehigh Valley, PA Two workshops focusing on best practices in hybrid learning and flipped classrooms and understanding the learners of the future.	February 2019
<i>LVAIC Teagle Universal Design Workshop</i> Lehigh University, Bethlehem, PA Workshop focused on making educational materials, practices, and interactions more inclusive and useful for all learners.	January 25, 2019

OUTREACH

<i>Women in STEM (WiSTEM) at Louisiana Tech University</i> , Faculty Mentor Participate in various campus events throughout the year in an effort to connect undergraduate women in STEM majors.	2020 - present
<i>Women in Science and Engineering (WISE) Forum</i> , Faculty Mentor DeSales University, Center Valley, PA	February 12, 2019
<i>32nd High School Math Contest, University of South Carolina</i> Scavenger Hunt Coordinator	February 3, 2018
<i>Columbia College’s Math and Science Day for High School Girls</i> “Traveling Queen Chickens,” Workshop Organizer and Leader	November 11, 2017
<i>Summer Ventures in Science and Mathematics</i> “Graphs, Groups, and Games” Instructor	Summer 2013
<i>Summer Ventures in Science and Mathematics</i> “Graph Theory/Groups and Games” Co-Instructor	Summer 2012

PRESENTATIONS

<i>Equitable Dissections</i> Invited Speaker, Spring Math Symposium Gonzaga University, Spokane, WA	March 1, 2022
<i>Equitable Dissections</i> COES Graduate Student Symposium	February 18, 2022

Louisiana Tech University, Ruston, LA

Packing Chromatic Number of Random d -regular Graphs May 15-17, 2015
28th Cumberland Conference on Combinatorics, Graph Theory, and Computing
University of South Carolina, Columbia, SC

Lower Bounds for the Packing Chromatic Number of Cubic Graphs May 24-26, 2013
26th Cumberland Conference on Combinatorics, Graph Theory, and Computing
Middle Tennessee State University, Murfreesboro, TN

Irredundant Ramsey Numbers May 10-12, 2012
25th Cumberland Conference on Combinatorics, Graph Theory, & Computing
East Tennessee State University, Johnson City, TN

CONFERENCES ATTENDED

SECANT IV January 15-16 2022
Virtual

paraDIGMS Spring Conference April 23-26, 2021
Virtual

Coast Combinatorics Conference March 6, 2021
Virtual

SECANT III, Organizer January 16-17, 2021
Virtual

Undergraduate Mathematics Conference February 22, 2020
Moravian College, Bethlehem, PA

Joint Mathematics Meetings January 14-18, 2020
Denver, CO

SECANT II, Organizer October 12-13, 2019
Cedar Crest College, Allentown, PA

EPADel, MAA Section Meeting October 5, 2019
Kutztown University, Kutztown, PA

Joint Mathematics Meetings January 16-19, 2019
Baltimore, MD

SECANT I November 17-18, 2019
Cedar Crest College, Allentown, PA

Atlanta Lecture Series XIX April 22-23, 2017
Georgia State University, Atlanta, GA

Atlanta Lecture Series XIV February 14-15, 2015
Georgia State University, Atlanta, GA

Atlanta Lecture Series XI
Georgia State University, Atlanta, GA

January 25-26, 2014

Triangle Lectures in Combinatorics
North Carolina State University, Raleigh, NC

September 21, 2013

*44th Southeastern International Conference on Combinatorics,
Graph Theory, and Computing*
Florida Atlantic University, Boca Raton, FL

March 4-8, 2013