Ann Wells Clifton July 28, 2018

Contact Information

University of South Carolina   aclifton@math.sc.edu
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Columbia, SC 29208-4014

Citizenship

Born in Greenville, North Carolina, United States

Research Interests

Graph theory (the packing chromatic number, Ramsey theory, and domination), and mathematics education

Education

Doctoral Work, Applied Mathematics   August 2015 - February 2016
University of Colorado, Denver, CO

Master of Science, Mathematics   May 2015
University of South Carolina, Columbia, SC
Advisor: Linyuan Lu

Master of Arts, Mathematics   May 2013
East Carolina University, Greenville, NC
Advisor: Johannes Hattingh

Bachelor of Arts, Mathematics/Hispanic Studies   May 2011
East Carolina University, Greenville, NC
Cum Laude

Employment

Instructor   August 2016 - Present
On Your Time Initiatives
University of South Carolina, Columbia, SC

Graduate Teaching Assistant   August 2013 - May 2015
University of South Carolina, Columbia, SC

Graduate Teaching Assistant   May 2008 - May 2009
East Carolina University, Greenville, NC

Honors, Awards, and Recognition

Instructor

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

Innovative Pedagogy Grant — Spring 2018
Flipping the Calculus I Classroom
University of South Carolina, Columbia, SC

Graduate

Graduate Teaching Assistantship — Fall 2013-Spring 2015
University of South Carolina, Columbia, SC

Graduate Scholar Award — Fall 2011-Spring 2013
East Carolina University, Greenville, NC

Graduate Teaching Assistantship — Fall 2011-Spring 2013
East Carolina University, Greenville, NC

University Book Exchange Scholarship — Fall 2011-Spring 2012
East Carolina University, Greenville, NC

Undergraduate

Outstanding Senior in Mathematics — May 2011
East Carolina University, Greenville, NC

Teaching Experience

University of South Carolina

Columbia, SC

Instructor of Record

Math 122 - Calculus for Business Administration and Social Sciences	Summer 2018
Math 141 - Calculus I (Two sections)	Spring 2018
Math 142 - Calculus II (Two sections)	Spring 2018
Math 122 - Calculus for Business Administration and Social Sciences (Two sections)	Fall 2017
Math 141 - Calculus I (Two sections)	Fall 2017
Math 122 - Calculus for Business Administration and Social Sciences	Summer 2017
Math 141 - Calculus I (Two sections)	Spring 2017
Math 142 - Calculus II (Two sections)	Spring 2017
Math 122 - Calculus for Business Administration and Social Sciences (Two sections)	Fall 2016
Math 141 - Calculus I (Two sections)	Fall 2016
Math 374 - Discrete Structures (Guest Lecturer)	Fall 2016

University of Colorado, Denver

Denver, CO

Instructor of Record

Math 1110 - College Algebra	Fall 2015
Tutor in Math Education Resource Center (MERC) Lab	Fall 2015 - Feb 16

University of South Carolina (Graduate Student)

Columbia, SC

Instructor of Record

Math 141: Calculus I	Summer 2015
Math 170: Finite Mathematics	Spring 2015
Math 111I: Intensive College Mathematics	Fall 2014
Math 141: Calculus I	Summer 2014
Math 115: Pre-Calculus	Fall 2013

Teaching Assistant

Math 142: Calculus II	Spring 2014
Tutor in Mathematics Department Tutoring Center	Fall 13 Summer 15

East Carolina University

Greenville, NC

Instructor of Record

Math 1065 - College Algebra	Spring 2013
Math 1065: College Algebra	Fall 2012
Math 1050: Mathematical Ideas	Spring 2012
Math 0001: Intermediate Algebra	Fall 2011
Tutor in Math CAVE College Algebra Virtual Environment	Fall 12-Spring 13
Tutor in Calculus Lab	Fall 11-Fall 12
Tutor in (Lower Level) Math Lab	Fall 09-Fall 12
Project HEART (AmeriCorps) Tutor	Fall 09-Fall 10

K-12 Outreach

32nd High School Math Contest, University of South Carolina Scavenger Hunt Coordinator	February 3, 2018
Columbia Colleges Math and Science Day for High School Girls "Traveling Queen Chickens" Workshop Leader	November 11, 2017
29th High School Math Contest, University of South Carolina Proctor	January 31, 2015

28th High School Math Contest, University of South Carolina   February 1, 2014
Proctor

Summer Ventures in Science and Mathematics   Summer 2013
"Graphs, Groups, and Games"
Instructor

Summer Ventures in Science and Mathematics   Summer 2012
"Graph Theory/Groups and Games"
Instructor

Papers/Preprints

(with Johannes Hattingh and Elizabeth Jonck) *Lower Bounds for the Packing*   In preparation
Chromatic Number of Regular Graphs

The Packing Chromatic Number of d-Regular Random Graphs, Masters Thesis   August 2015

Irredundant and Mixed Ramsey Numbers, Masters Thesis   November 2012

Referee Experience

Journal of Combinatorial Optimization (with Dr. Johannes Hattingh)
The Institute of Combinatorics and its Applications (with Dr. Johannes Hattingh)

Languages

English - native language
Spanish - speak, read, and write with high proficiency

Presentations

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   October 31, 2014
Discrete Seminar
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

Irredundant Ramsey Numbers   April 13-15, 2012
Graduate Student Combinatorics Conference
University of Illinois at Urbana-Champaign, Champaign, IL

Research and Creative Achievement Week, Talk: Irredundant Ramsey Numbers   March 26-30, 2012
East Carolina University, Greenville, NC

SIAM Math Awareness Conference, Talk: Irredundant Ramsey Numbers   March 24, 2012
Old Dominion University, Norfolk, VA

Conferences Attended

Colorado Council of Teachers of Mathematics 2016 Conference   September 22, 2016
Denver, CO

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

Atlanta Lecture Series XI   January 25-26, 2014
Georgia State University, Atlanta, GA

Triangle Lectures in Combinatorics   September 21, 2013
North Carolina State University, Raleigh, NC

44th Southeastern International Conference on Combinatorics, Graph Theory, and Computing   March 4-8, 2013
Florida Atlantic University, Boca Raton, FL

Conference for Undergraduate Women in Mathematics   January 28-30, 2011
University of Nebraska-Lincoln, Lincoln, NE

Non-Academic Employment

Advisory Specialist   February 2016 - August 2016
PricewaterhouseCoopers, Columbia, SC