

## EDUCATION and EMPLOYMENT

2018 - Present Assistant Professor, Angelo State University  
2016 - 2018 Assistant Professor, Saint Norbert College.  
2011 - 2016 Ph.D. in Mathematics, Louisiana State University. Advisor, James Oxley.  
2009 - 2011 MS in Mathematics, Louisiana State University.  
2003 - 2008 BS in Mathematics, Southeastern Louisiana University.

## TEACHING EXPERIENCE (TEACHER OF RECORD)

*Real Analysis* — ASU, Fall 2019  
*Probability and Actuarial Mathematics* — ASU, Fall 2019  
*Algebraic Topology (reading course)* — ASU, Spring 2019  
*Calculus III* — ASU, Spring 2019, Fall 2018  
*College Algebra* — ASU, Spring 2019 (two sections), Fall 2018 (two sections)  
*Finite Mathematics* — ASU, Fall 2019, Spring 2019, Fall 2018  
*Finite Mathematics (Intensive)* — ASU, Fall 2019  
*Modern Geometry* — SNC, Spring 2018  
*Principles of Geometry* (a course for Math Educators) — SNC, Fall 2017  
*Advanced Foundations of Mathematics* — SNC, Fall 2017  
*Numbers and Operations* (a course for Math Educators) — SNC, Spring 2018 and Spring 2017  
*Introductory Statistics for Business* — SNC, Spring 2018, Fall 2017, Spring 2017, Fall 2016  
*Calculus and Analytic Geometry I* — SNC, Spring 2017 and Fall 2016 (two sections)  
*Analytic Geometry and Calculus I* — LSU, Fall 2015  
*Geometry, Reasoning, and Measurement* (a course for Math Educators) — LSU, Spring 2015  
*Measurement: Proportional and Algebraic Reasoning* (a course for Math Educators) — LSU, Fall 2013 - Fall 2014

## AWARDS

*2017-2018 Mathematics Association of America Project NExT Fellow*  
*Louisiana State University Alumni Association Teaching Assistant Award, 2015*  
*David Oxley Graduate Student Teaching Award, 2014*  
*Louisiana State University Mathematics Department Certificate of Teaching Excellence, 2013*

## PUBLICATIONS

*On matroids having every element in a 4-cocircuit and every pair of elements in a 4-circuit* (with J. Oxley, C. Semple, and G. Whittle), to appear in *Advances of Applied Mathematics*, Volume 105, April 2019  
*Unbreakable Matroids*, In preparation.

## RESEARCH STUDENTS

### Probabilities of Rank-3 Simple Matroids

Bao Van, presented at MAA MathFest 2018, recognized with the national Pi Mu Epsilon speaker award.

## PRESENTATIONS

### Matroids with many small circuits and cocircuits

Oxley65 Matroid and Graph Conference, Louisiana State University, July 2019

### How to Succeed in College

Angelo State University True Blue Friday, April 2019

### A Pi Day Presentation in Three Parts

Angelo State University Student Seminar, March 2019

### Introduction to Ramsey Theory

Angelo State University Student Seminar, October 2018

### Matroids with many small circuits and cocircuits

AMS Southeastern Sectional Meeting, April 2018

### Music and Mathematics

Saint Norbert College course on Fine Arts Growth in Young Children, Spring 2017 and Fall 2017

### A (mathematical) History of Coloring

Saint Norbert College Mathematics Colloquium Series, December 2016

### Matroids with many small circuits and many small cocircuits

AMS/MAA Joint Mathematics Meeting, January 2016

### Graphics in LaTeX: An Introduction to TikZ

MathBytes Technology Colloquium, Louisiana State University, March 2015

### Matroids with many small circuits and many small cocircuits

AMS/MAA Joint Mathematics Meeting, January 2015

### Unbreakable Matroids

2014 International Workshop on Structure in Graphs and Matroids, Princeton University, July 2014

### Remote Access and the Command Line

MathBytes Technology Colloquium, Louisiana State University, March 2014

### Unbreakable Matroids

AMS Sectional Meeting, University of Mississippi, March 2013

### Unbreakable Matroids

Combinatorics Colloquium, Louisiana State University, March 2013

### An Introduction to Frame Matroids

Student Combinatorics Seminar, Louisiana State University, February 2013

### Graph Coloring and List Coloring

Summer GEAUX Program, Louisiana State University, August 2010

### Graph Coloring and List Coloring

Communicating Mathematics Seminar, Louisiana State University, May 2010

## SERVICE

**ASU MAA Student Chapter**, Advisor — Fall 2019 - present

**ASU Math Problem Solving Seminar**, Organizer — Fall 2019 - present

**ASU Math Challenge of the Month**, Organizer — Spring 2018 - present

**ASU Retention Liason** — Spring 2018 - present

**ASU True Blue Friday**, Opening Speaker — Spring 2018

**SNC Admissions Committee**, Member — Fall 2017 - Spring 2018

**SNC Dance Marathon**, Volunteer — Fall 2017

**SNC Mathematics Discipline Hiring Committee**, Member — Fall 2017 - Spring 2018

**SNC Physics Discipline Hiring Committee**, Member — Fall 2017

**SNC Pi Mu Epsilon Undergraduate Mathematics Research Conference**, Organizer — Fall 2017

**SNC Pie-A-Professor**, Volunteer — Spring 2017

**Delaney Writing Competition**, Judge — Spring 2017

**SNC Mathematics Discipline Hiring Committee**, Member — Fall 2016 - Spring 2017

**LSU Student Combinatorics Seminar**, Organizer — Spring 2013 - Fall 2016

**LSU MathBytes Technology Colloquium**, Organizer — Fall 2013 - Spring 2015

**Eureka Math/EngageNY**, Mathematics Curriculum Editor — Fall 2012 - Summer 2013

**LSU GEAUX Committee**, Member — Summer 2010, Summer 2011

## OTHER TEACHING EXPERIENCE

**Grader**, *Combinatorial Theory* (graduate-level course) — LSU, Spring 2013

**Undergraduate Mentor**, SMILE at LSU — Summer 2011, Summer 2012 (an REU)

**Graduate Assistant**, Singapore Math Project — LSU, Fall 2010 - Spring 2012

**Tutor**, Louisiana State University Math Lab — Spring 2010

**Recitation Leader**, *Calculus with Business and Economic Applications* — LSU, Fall 2009

**Teacher**, Southside Elementary School — Spring 2009

**Tutor**, Southeastern Louisiana University Math Lab — Fall 2004 - Fall 2009