

Ashley M. Tharp

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Department of Mathematics
North Carolina State University
SAS Hall 3147
Raleigh, NC 27695

EDUCATION

North Carolina State University PhD Student, Mathematics Advisor: Nathan Reading	Raleigh, NC expected May 2023
North Carolina State University MA, Mathematics	Raleigh, NC May 2021
University of Houston BS, Mathematics; Minor, Spanish; <i>cum laude</i>	Houston, TX May 2018

TEACHING EXPERIENCE

North Carolina State University <i>Graduate Support Resource Teaching Assistant</i>	Raleigh, NC Spring 2021 - Present
<ul style="list-style-type: none">Developed curriculum to expand one-semester Teaching in the Math Department course into two-semester First Year Grad Seminar with course instructor and Director of Graduate ProgramObserved and provided feedback for all first year students with teaching assistantshipsLed First Year Grad Seminar class meetings, workshops for graduate students at all stages	
<i>Instructor of Record: 2 Semesters, 1 Summer Session</i> Created syllabi and continuity plans, prepared and delivered lecture notes, wrote exams, held office hours, supervised teaching assistants, and determined final grades.	
<ul style="list-style-type: none">MA 241: Calculus 2, 1 semester, 48 students; 1 summer session, 20 studentsMA 403: Introduction to Modern Algebra, 1 semester, 18 students	
<i>Recitation Leader: 3 semesters</i> Designed and led practice sessions, graded exams, held office hours.	
<ul style="list-style-type: none">MA 121: Elements of Calculus (Fall 2020) approx. 60 studentsMA 241: Calculus 2 (Spring 2019) 67 students, (Fall 2018) 103 students	
University of Houston <i>Undergraduate Peer Facilitator: 2 Semesters</i>	Houston, TX Fall 2017 - Spring 2018
Led practice sessions cooperatively with graduate teaching assistants, graded exams and weekly quizzes.	
<ul style="list-style-type: none">MA 1431: Calculus 1 (Spring 2018) approx. 40 students, (Fall 2017) approx. 60 students	

SERVICE AND MENTORSHIP ACTIVITIES

American Mathematical Society, NCSU Student Chapter <i>President</i>	Fall 2021-Present
<i>Secretary</i>	Fall 2020-Spring 2021
Triangle Area Graduate Mathematics Conference, "TAGMaC" Co-organized with boards of UNC-CH and NCSU AMS Student chapters	NCSU & UNC Chapel Hill December 2020
Mentor, AMS NCSU Student Chapter	Fall 2020 - Present
Organizer, Pure Graduate Seminar "PuGS"	Spring 2020 - Present
Graduate Instructor Support and Tools <i>Co-President, Observation</i>	Fall 2021 - Present
<i>Committee Member</i>	Spring 2019 - Present
<ul style="list-style-type: none">Revived and restructured resources and roles for the organizationCreated more comprehensive peer classroom observation form for graduate student use	
Mentor, Undergrads Union Grads	Fall 2020-Present
Member, Association for Women in Mathematics	August 2018 - Present

KIPP Liberation Algebra Boot Camp

Houston, TX

Volunteer

August 2016

- Assisted in teaching 40 rising eighth grade students underlying concepts to prepare them for Algebra I
- Provided one-on-one assistance to students
- Created classroom materials

HONORS AND AWARDS

North Carolina State University

Raleigh, NC

Excellence in Classroom Teaching Award, Graduate Student Association

Spring 2020

University of Houston

Houston, TX

Phi Beta Kappa, Texas Mu Chapter

Inducted April 2018

Phi Kappa Phi, Chapter 54

Inducted May 2017

teachHOUSTON Challenge Fund Scholarship

December 2016

PROFESSIONAL DEVELOPMENT

Teaching and Communication Certificate

in progress

Project SAFE Ally Training

in progress

TALKS, PANELS, AND SERVICE PRESENTATIONS

New Graduate Student Orientation Panel

August 10, 2021

What is a Qualifying Exam? Panel

May 12, 2021

New Graduate Student Orientation Panel

August 4, 2020

SKILLS

Educational SoftwareProficient in Moodle, Gradescope, Zoom
Experience using WebAssign, Piazza**Foreign Language**

Proficient in Spanish

SELECTED CONFERENCES ATTENDED

Graduate Student Combinatorics Conference

May 2021

CombinaTexas

February 2021

Combinatorial Algebra meets Algebraic Combinatorics

January 2021

Workshop for Inclusive Teaching Practices

December 2020

Triangle Lectures in Combinatorics

Spring 2020, Fall 2019

OTHER EXPERIENCE

North Carolina State University, Wellness and Recreation*Yoga Teacher*

June 2019 - January 2021

Choice Tutoring*Tutor, part-time*

Houston, TX

March 2017 - June 2018