

EDUCATION

The University of Texas at Austin Ph.D. in Mathematics, Advisor: Cameron Gordon	Austin, TX 2015–Current
The University of Texas at Arlington M.S. in Mathematics – Thesis: “Summation Chains of Sequences”	Arlington, TX 2013–2015
The University of Texas at Dallas B.S. in Mathematics	Richardson, TX 2002–2009

EXPERIENCE

El Centro College Adjunct Professor	Dallas, TX 2012–2015
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PUBLICATIONS

- [1] **J. Johnson**, *Residual torsion-free nilpotence, bi-orderability and pretzel knots*, submitted, 2020. arXiv: 2008.13353 [math.GT].
- [2] **J. Johnson**, *Two-bridge knots and residual torsion-free nilpotence*, 2020. arXiv: 1912.08947 [math.GT].
- [3] **J. Johnson**, “Summation chains of sequences”, *The Math Citadel*, vol. 1, no. 2, 2017.

AWARDS

- Dynamics RTG Fellowship, UT Austin, 2020
- Gerth Award for Teaching Excellence, UT Austin, 2018
- Geometry/Topology RTG Fellowship, UT Austin, 2015

CONFERENCE TALKS

- Underrepresented Students in Topology and Algebra Research Symposium, April 2019
- Graduate Student Topology and Geometry Conference, March 2019

INVITED SEMINAR TALKS

- Université du Québec à Montréal: Webinaire Cirget September 2020
- Boston College: Geometry/Topology Seminar (*cancelled*) April 2020
- Rice University: Topology Seminar February 2020
- Georgia Institute of Technology: Geometry Topology Seminar December 2019

TEACHING

- **Instructor** at The University Texas at Austin
Fall 2019 Learning Assistant Experience in Mathematics (M 371E)
- **Teaching Assistant** at The University Texas at Austin
Sequences, Series, and Multi-Variable Calculus (M 408D) Spring 2018
- **Teaching Assistant** at The University Texas at Austin
Differential Calculus (M 408K) Fall 2017
- **Teaching Assistant** at The University Texas at Austin
Honors Discrete Mathematics (M 325K) Spring 2017
- **Teaching Assistant** at The University Texas at Austin
Multi-Variable Calculus (M 408M) Fall 2016
- **Teaching Assistant** at The University Texas at Aurlington
Introduction to Proofs (MATH 3300) Spring 2015
- **Teaching Assistant** at The University Texas at Aurlington
Mathematics for Economics/Business Analysis (MATH 1316) Fall 2014
- **Adjunct Professor** at El Centro College
Pre-algebra (DMAT 0090) Summer 2015
- **Adjunct Professor** at El Centro College
Intermediate Algebra (DMAT 0310)
Concepts in Basic Mathematics (DMAT 0066) Spring 2015
- **Adjunct Professor** at El Centro College
Elementary Algebra (DMAT 0305)
Pre-algebra (DMAT 0090)
DMAT0066 Concepts in Basic Mathematics Fall 2014
- **Adjunct Professor** at El Centro College
Intermediate Algebra (DMAT 0093)
Intermediate Algebra (DMAT 0091) Spring 2014
- **Adjunct Professor** at El Centro College
Intermediate Algebra (DMAT 0093)
Elementary Algebra (DMAT 0091) Fall 2013
- **Adjunct Professor** at El Centro College
Pre-algebra (DMAT 0090)
Concepts in Basic Mathematics (DMAT 0066) Summer 2013
- **Adjunct Professor** at El Centro College
Intermediate Algebra (DMAT 0093)
Elementary Algebra (DMAT 0091)
Concepts in Basic Mathematics (DMAT 0066) Spring 2013
- **Adjunct Professor** at El Centro College
Concepts in Basic Mathematics (DMAT 0066) Fall 2012

OUTREACH

- **Speaker**, “Predicting the Future” Math Teacher’s Circle of Austin, October 2018
- **Speaker**, Sunday Morning Math Group, April 2017
- **Speaker**, “All Knotted Up” Math Teacher’s Circle of Austin, January 2017
- **Speaker**, “How to Count Many Things” Math Teacher’s Circle of Austin, March 2016

SERVICE

- **Co-founder** Mathematicians of Color Alliance Texas 2020–Current
An organization committed to promoting the mathematical development and achievements of underrepresented groups
- **Co-organizer** Kirby Calculus and 4-Manifolds Mini-course, July 2020
- **Co-organizer** 3-Manifolds and Heegaard Splittings Mini-course, July 2020
- **Co-organizer** Investigating the L-space Conjecture Mini-Session June 2020
A mini-session of the Nearly Carbon Neutral Geometry and Topology Conference
- **Organizer** Knot Concordance Learning Seminar, Spring 2020
- **Co-organizer** Dehn Surgery and 3-Manifolds Mini-course, Summer 2019
- **Co-organizer** Alexander Polynomial Learning Seminar, Spring 2020
- **Organizer** Introduction to Heegaard Floer Homology Mini-course, Summer 2018
- **Mentor** Directed Reading Program 2016–Current
Guided undergraduate students through reading a topic in mathematics.
- **Volunteer** Math Teacher’s Circle Austin 2015–2019
Assisted with logistics of each meeting, supported the speakers, updated event calendar on website