

Ryan Arif

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ryanarif.com

Education

University of Texas at Arlington

May 2026 (expected)

Bachelor of Science in Mathematics

Tarrant County College

August 2023

Associate of Science

Research

NSF RTG Mathematics for Human Health, UT Arlington

January 2025–Present

- Modeling Viability of M13 Bacteriophage in Starvation Conditions for K-12 Escherichia Coli
Collaborators: Kaylea Arif, Austin Brown, Amira Claxton, Abdurrahman Himawan, Elizabeth Rubio, Emma Slack
Advisors: Dr. Erika Gallo, Dr. Keaton Hamm, Dr. Justyn Jaworski, Dr. Hristo Kojouharov, Dr. Christopher Kribs, Dr. Souvik Roy
- Modeling Disease Spread in Feral Hogs in Texas
Collaborators: Kaylea Arif, Amira Claxton
Advisors: Dr. Erika Gallo, Dr. Christopher Kribs

McNair Summer Research Internship, UT Arlington

Summer 2025

Understanding Mathematics Identity and Belonging in an Undergraduate General Education Terminal Mathematics Course

Faculty Mentor: Dr. Theresa Jorgensen

Conferences/Professional Development

Conference for Research on Undergraduate Mathematics Education (RUME), Alexandria, Virginia

February 26 - February 28, 2026

2026

- Poster Presentation: Mathematics Identity and Belonging in an Undergraduate General Education Terminal Mathematics Course

Texas Undergraduate Math Conference, St. Mary's University

October 17 - 18, 2025

- Oral Presentation: Understanding Mathematics Identity and Belonging in an Undergraduate General Education Terminal Mathematics Course

McNair Scholars 36th Annual Research Symposium, UT Arlington

August 13, 2025

- Poster Presentation: Understanding Mathematics Identity and Belonging in an Undergraduate General Education Terminal Mathematics Course

McNair Scholars Research Conference, Baylor University

August 7-8, 2025

- Poster Presentation: Understanding Mathematics Identity and Belonging in an Undergraduate General Education Terminal Mathematics Course

McNair Grad School Bootcamp, University of Texas at San Antonio May 20-22, 2025
Gulf States Math Alliance, Southern University at New Orleans February 14-16, 2025
Mathposium, University of Texas at Arlington November 15-16, 2024

Service

President, Jewish Student Alliance at UTA, UT Arlington 2025–2026
Coordinated events celebrating Jewish culture and advocated for Jewish student life on campus.

President, Mathematical Association of America, UT Arlington 2024–2025
Organized club meetings, led fundraising review sessions, and recruited volunteers for annual math events.

Awards and Honors

Kathryn Head Scholarship, \$500 Fall 2025
McNair Scholar, \$4000 Spring 2025–Present
John A. Gardner Family Math Scholarship, \$2500 2024–2025
H.A.D. Dunsworth Scholarship, \$2500 2024–2025
NSF-RTG Mathematics for Human Health Scholar, \$5000 Fall 2024–Present
NSF-S STEM SURGE Scholar, \$5000 Spring 2024
John A. Gardner Family Math Scholarship, \$2500 2023–2024
Stephen R. Bernfeld Memorial Scholarship \$1500 2023–2024
Dean’s List, Tarrant County College Fall 2018, Spring 2023

Teaching Experience

Substitute Teacher, Arlington ISD, Arlington TX December 2024–Present
Provided flexible instructional support across diverse classroom settings.

Tutor, Math Learning Resource Center, UT Arlington January 2024–December 2024
Assisted students in college-level math courses and facilitated review sessions.

Math Clinic Tutor, Tarrant County College, Fort Worth TX October 2018–May 2019
Tutored students in mathematics ranging from developmental math to Calculus III.

Memberships

Society for Industrial and Applied Mathematics January 2025 - Present

Skills

Coding: C++, C, C#, Java, Python, MATLAB, R
Other: L^AT_EX, Microsoft Office Suite