1005 N LBJ Dr, Apt A6
San Marcos, TX 78666
(210) 251-1918, pri7@txstate.edu

Asten Fallavollita

EDUCATION

Texas State University, San Marcos TX

M.S. in Mathematics (in progress)

Fall 2024 – Present

Pure Math concentration, developing Master's thesis in Set Theory.
GPA: 4.0

B.S. in Mathematics – Summa Cum Laude

Fall 2021 – Spring 2024

Major in Mathematics with a minor in Computer Science.
Completed graduate-level coursework in Abstract Algebra and Algebraic Topology.
GPA: 4.0

Folsom Lake College, Folsom CA

A.A. in Math and Science

Fall 2015 – Spring 2021

Completed general education and lower-division coursework.
GPA: 4.0

EXPERIENCE

Logic@TXST, Texas State University —
Research Assistant

Fall 2023 – Present

Participating in an NSF-funded research fellowship in Mathematical Logic led by Dr. William Boney, at both undergraduate and graduate level. Co-organizing the weekly Logic@TXST student seminar.

Department of Mathematics, Texas State University —
Instructional Assistant

Spring 2022 – Present

Taught labs in Pre-Calculus, Calculus I & II. Designed lab assignments, conducted office hours, and administered quizzes and exams.

Student Learning Assistance Center, Texas State University —
Lab Tutor

Fall 2021 - Fall 2022

Tutored university students in subjects including College Algebra, Calculus, introduction to advanced Mathematics, Chemistry, and Physics. Received College Reading and Learning Association Master-Level tutoring certification.

TXST Summer School in Mathematical Physics, Texas State University

Summer 2023, Summer 2024

Attended NSF-funded Mathematical Physics summer school in topics including Quantum Information, Statistical Mechanics, and Tilings.

PRESENTATIONS

Logic@TXST Student Seminar, Texas State University

"A Friendly Introduction to ZFC Set Theory"
September 5th, 2024

"The Foundations of Non-Foundational Set Theory"
October 3rd, 2024

Talk Math 2 Me Seminar, Texas State University

"A Friendly Introduction to a Scary Axiom: Exploring the Axiom of Choice"
November 1st, 2024

"Easy as ABC? Examining One of the Most Tortured Conjectures in Number Theory History"
February 2nd, 2024

"The Mertens Conjecture: Examining Solved and Unsolved Mysteries of Natural Numbers",
April 7th, 2023

AWARDS

2024 Outstanding Achievement Award for Mathematics Undergraduates

Mathworks 2023 Undergraduate Fellowship

Don and Helen Cude Award

Patti Strickel Harrison Scholarship

Ram Lal Seekri Endowed Scholarship

Ross & Sarah Wayment Endowed Scholarship

Denison-Koehn Endowed Scholarship in Science

Heloise Bowles Memorial Scholarship

ORGANIZATIONS

Treasurer for **SUPER (Supporting Undergraduates for Powerful Equitable Results) in Math**

Member of **Pi Mu Epsilon Math Honor Society**

SKILLS

LaTeX proficiency

C++ and Python Programming

Tap dance