

Zachary Gardner

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(214) 493-7284

U.S. Citizen

Education

Boston College 2020–
Ph.D. in Mathematics (Fourth-Year)
Advised by Keerthi Madapusi

University of Texas at Austin 2016-2020
B.S. in Mathematics with Departmental Honors
Thesis: “The Mordell-Weil Theorem for Abelian Varieties over Global Fields,” advised by Sam Raskin

Teaching Experience

Boston College
Teaching fellow for Math 1004 Finite Probability Fall 2023
Teaching fellow for Math 1100 Calculus I Fall 2022
Teaching assistant for Math 1101 Calculus II Spring 2022
Teaching assistant for Math 2202 Multivariable Calculus Fall 2021
Teaching assistant for Math 3312 Algebra II Spring 2021
Teaching assistant for Math 1102 Calculus I (Math/Sci) Fall 2020

University of Texas at Austin
UT Summer Minicourses
Taught course titled “Abelian Varieties and the Mordell-Weil Theorem” Summer 2020
Taught course titled “Class Field Theory” Summer 2019

Service

Seminars & Conferences Organized
Derived Arithmetic Intersection Theory (DAIT) Learning Group Spring-Summer 2022
K-Theory and Differential Cohomology Learning Group Spring 2022
Derived Algebraic Geometry (DAG) Learning Group Fall 2021
Galois Representations Reading Group Summer 2021
UT Summer Minicourses Summer 2020

Other Service

Treasurer: Math Graduate Student Association Fall 2022–
Managed finances, secured funding for events and standard activities
Secretary: Math Graduate Student Association Fall 2021-Spring 2022
Co-organized GIST, helped with prospective student logistics, and managed internal communications
Developing Exemplary Mathematics Teacher Leaders for High-Need Schools Fall 2021-Spring 2022

Served as Graduate Student Representative for Content initiative

Counselor: Ross Mathematics Program

Summer 2017 & 2019

Mentored students, trained other counselors, taught courses, and helped with administration

Scholarships, Honors, & Awards

Boston College

Donald J. White Teaching Excellence Award

Spring 2022

University of Texas at Austin

CNS Dean's Honored Graduate

Spring 2020

CNS Service & Leadership Distinction

Spring 2020

Barrett Fellowship

Fall 2019

Carmelina Cutro Albino Memorial Endowed Presidential Scholarship

Spring 2018

Highest Ranking High School Graduate Tuition Exemption

Fall 2016-Spring 2017

Attended Conferences & Programs

Algebraic geometry and cohomology in mixed characteristic

May 15-19, 2023

Homotopy Theory with Applications to Arithmetic and Geometry

June 27-30, 2022

Oberseminar: Derived algebraic cobordism

Winter 2021/22

SUBgroups

Fall 2020

Boston Remote Seminar on Perfectoid Spaces

Summer 2020

Arizona Winter School on Topology and Arithmetic

March 2-6, 2019