

# Zachary Gardner

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(214) 493-7284

U.S. Citizen

## Education

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

**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

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**Boston College**  
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

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**Seminars & Conferences Organized**  
BC Jr. NTAG Seminar Spring 2022  
Derived Arithmetic Intersection Theory (DAIT) 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**  
Secretary: Math Graduate Student Association Fall 2021–  
*Co-organized GIST and managed files*  
Developing Exemplary Mathematics Teacher Leaders for High-Need Schools Fall 2021–  
*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

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### 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

## Attended Conferences & Programs

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Homotopy Theory with Applications to Arithmetic and Geometry	June 27-30, 2022
electronic Algebraic K-Theory Seminar	Summer 2022
Oberseminar: Derived algebraic cobordism	Winter 2021/22
SUBgroups	Fall 2020
Boston Remote Seminar on Perfectoid Spaces	Summer 2020