

Christopher Guevara

Tufts University, Department of Mathematics
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Education

Tufts University September 2018–Present
Ph.D. Candidate
Advisor: David Smyth

M.S. in Applied Mathematics, Long Island University May 2018

B.S. in Mathematics, Long Island University May 2017

Research Interests

Algebraic geometry, commutative algebra, curve singularities, moduli of singular curves

Papers

C. Guevara, *The Moduli Space of Glued Subalgebras* (in preparation).

Sebastian Bozlee, C. Guevara, David Smyth, *A Stratification of the Moduli Space of All Curves* (in preparation).

Teaching

Tufts University (Instructor of Record)

Graduate Development Seminar	AY 2022–2023
Bridge to Higher Mathematics	Summer 2022, Spring 2022, Summer 2021
Calculus Skills Workshop	Fall 2021
SAT Prep Workshop	Summer 2021, Summer 2020, Summer 2019
Linear Algebra	Spring 2021
Intro to Proof Writing	Summer 2020

Tufts University (Teaching Assistant)

Calculus I Recitation	Fall 2022
Abstract Algebra I	Fall 2020, Fall 2018
Introduction to Statistics	Summer 2020, Summer 2019
Discrete Mathematics	Spring 2020
Calculus II Recitation	Fall 2019, Spring 2019

Long Island University (Adjunct)

Mathematics for Elementary School Teachers	Summer 2018
Introduction to College Mathematics	Summer 2018
HEOP Summer Academic Institute – College Math	Summer 2018, Summer 2017

The Higher Education Opportunity Program provides and funds a chance at an undergraduate education to high school students who otherwise would not have access to it; HEOP students enroll in the Summer Academic Institute before their first semester

CUNY Queens College (Adjunct)

College Algebra for Precalculus	Spring 2018
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Suffolk Community College (Faculty)
Math and Science Learning Center

AY 2017–2018

Conferences and Seminars

Presentations

Tufts Monday Math Meeting, Tufts University October 3, 2022
Talk Title: *A “Crash” Course on Blow-Ups*
Richmond Geometry Festival, Virginia Commonwealth University May 27, 2022
Poster Title: *Moduli of Finite-Codimensional Subalgebras of $\bigoplus_{i=1}^m k[[t_i]]$*

Other Conferences Attended

Graduate Student Conference in Algebra, Geometry, and Topology,
Temple University May 20–22, 2022
Graduate Student Conference in Algebra, Geometry, and Topology,
Temple University June 1–2, 2019

Service

Tufts University Prison Initiative Fall 2022
Volunteered as a teaching assistant for the quantitative reasoning course offered through the prison initiative, which offers an associate’s degree to inmates at MCI Concord

Tufts Organization of Graduate Students in Mathematics (AMS Student Chapter)
President AY 2021–2022
Vice President AY 2020–2021
Upper Year Representative AY 2020–2021
Secretary AY 2019–2020

Long Island University Kappa Mu Epsilon Math Honor Society
President AY 2017–2018

Center for Gifted Youth Summer 2014–Summer 2018
Worked as a teaching assistant for various STEM classes offered in weekend/summer programs for gifted children in grades 2–8

Honors and Awards

Math Department Head Teaching Assistant, Tufts University AY 2022–2023
Awarded to two senior graduate students each year, responsible for leading the Graduate Development Seminar to train first-year graduate students in teaching and research

Mary Glaser Distinguished Teaching Award, Tufts University 2021
Awarded by the math department to two graduate students for excellence in teaching

Dean’s Natural and Social Sciences Fellowship, Tufts University 2018–2020
Awarded to doctoral students possessing scholarly promise

Claire F. Adler Mathematics Award, Long Island University 2017
Awarded by the math department to an undergraduate for excellence in mathematics