Karen Butt

Department of Mathematics
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EDUCATION

University of Michigan, Ann Arbor, Michigan
Ph.D. Student in Mathematics, September 2017 – Present
Advisor: Ralf Spatzier

University of Michigan, Ann Arbor, Michigan
M.S. in Mathematics, May 2019

University of Chicago, Chicago, Illinois
B.A. with Honors in Mathematics, June 2017

TEACHING EXPERIENCE

University of Michigan:

Fall 2021	Math 116	Calculus II	Primary Instructor
Fall 2020	Math 116	Calculus II	Primary Instructor
Fall 2019	Math 215	Calculus III	Lab Instructor (MATLAB)
Winter 2019	Math 116	Calculus II	Primary Instructor
Fall 2018	Math 116	Calculus II	Primary Instructor
Winter 2018	Math 115	Calculus I	Primary Instructor
Fall 2017	Math 105	Data, Functions, and Graphs	Primary Instructor

University of Chicago:

Summer 2017	UChicago REU	Linear Algebra	TA
Summer 2017	UChicago REU	Apprentice Program	Mentor
Spring 2017	Math 24300	Intro to Algebraic Curves	Grader
Fall 2017	Math 20250	Abstract Linear Algebra	TA
Fall 2014	Math 13100	Elementary Functions & Calculus 1	TA

AWARDS

Allen Shields Memorial Fellowship, University of Michigan Mathematics Department, 2021

Juha Heinonen Memorial Fellowship, University of Michigan Mathematics Department, 2019

Paul R. Cohen Prize, University of Chicago, for highest record in undergraduate mathematics, 2017

FRQNT (Quebec Scientific Research Foundation) Master's Scholarship, 2017-2019

Phi Beta Kappa Honor Society, 2017

SERVICE

Co-founder and co-organizer, UM Directed Reading Program (DRP), 2018-present

DRP Mentor (Fall 2018, Winter 2019, Winter 2020)

Secretary, Association of Women in Mathematics - UM student chapter, 2018-2020

Second Year Representative, Student Advisory Board, 2018-2019

CONFERENCES & WORKSHOPS

- Topology Students Workshop (Virtual)
  Georgia Institute of Technology, July 2020
- Midwest Dynamical Systems Conference
  University of Illinois at Chicago, November 2019
- Houston Dynamics Summer School
  University of Houston, June 2019
- Graduate Student Topology and Geometry Conference
  University of Illinois at Urbana-Champaign, April 2019
- Summer School on Teichmuller Theory
  Fields Institute, Toronto, August 2018
- Summer School in Dynamics
  ICTP, Trieste, Italy, July 2018
- DRP Network
  Massachusetts Institute of Technology, May 2018
- Houston Dynamics Summer School
  University of Houston, May 2018
- Graduate Student Topology and Geometry Conference
  University of Illinois at Chicago, April 2018
- Graduate Workshop in Algebraic Geometry for Women and Mathematicians of Minority Genders
  Harvard MIT, February 2018
- Nebraska Conference for Undergraduate Women in Mathematics
  University of Nebraska-Lincoln, February 2017
- Nebraska Conference for Undergraduate Women in Mathematics
  University of Nebraska-Lincoln, February 2016