

ZHAOQI ZHU

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davidzzz0331.github.io

EDUCATION

University of Pennsylvania

Master of Arts in Mathematics

August 2023 - In Progress

Current GPA 3.95/4.0

University of California, Berkeley

Bachelor of Arts in Mathematics, Highest Honors

August 2019 - May 2023

GPA 3.94/4.0

RESEARCH INTERESTS

In general, I am interested in algebraic topology, especially equivariant stable homotopy theory and algebraic K -theory. Recently, I have also developed a growing interest in the interplay between algebraic geometry and algebraic topology.

SELECTED COURSEWORK

Math 618 Algebraic Topology

Math 624, Algebraic Geometry

Math 810, Reading Seminar-Infinity Categories

Math 609, Functional Analysis

Math 601, Differential Topology

TALKS

Penn Graduate Geometry/Topology Seminar

November 2024

Étale homotopy theory and Sullivan's proof of the Adams conjecture.

Penn Graduate Geometry/Topology Seminar

September 2024

Equivariant homotopy theory and fixed points.

Berkeley Directed Reading Program

September 2022

Homological mirror symmetry for elliptic curves.

TEACHING EXPERIENCE

TA for Math 113, Abstract Algebra, **UC Berkeley**

Spring 2023

TA for Math 110, Linear Algebra, **UC Berkeley**

Summer 2021

SKILLS

Java

Python

MS Office

Latex

Chinese(Native)

English(Bilingual Proficiency)

French(Intermediate Proficiency)

AWARDS AND HONORS

Dorothea Klumpke Roberts Prize, UC Berkeley	Spring 2023
Mathematics Honors Program - Highest Honors UC Berkeley	Spring 2023

ACTIVITIES

Berkeley CSSA Mentorship	September 2022 - May 2023
Provided academic counseling and mentorship to incoming international students	

Fireworks Band	September 2022 - May 2023
Lead Guitarist and backup vocal; organized three independent showcases and acquired multiple external sponsorships for band activities.	