

Michael Barz

michaelbarz@princeton.edu
<https://michael.dog/>

Research Interests

Arithmetic geometry, singularities in algebraic geometry, number theory

Education

Princeton University, Princeton, NJ 2024–Present
PhD in Mathematics
Advisor: Bhargav Bhatt

University of Chicago, Chicago, IL 2020–2024
BA in Mathematics (with honors), magna cum laude

Awards

Paul R. Cohen Prize, University of Chicago, 2024
Awarded to the graduating seniors at the University of Chicago who have achieved the highest academic record in the field of mathematics

NSF Graduate Research Fellowship, 2024

Seminar Talks

Milnor's fibration and vanishing cycles, *Chicago No Theory*, 2023
Function field Langlands for $GL(2)$, *Chicago No Theory*, 2024
Applications of mixed Hodge modules to singularities, *Princeton mixed Hodge modules seminar*, 2024
Irregular connections and the Stokes phenomenon, *MIT STAGE*, 2024

Service

Directed Reading Program Mentor, Princeton University, 2024–Present
Mentored an undergraduate reading Stillwell's Classical Topology and Combinatorial Group Theory