

MINGJIE WANG

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EDUCATION

Southern University of Science and Technology

September 2019–June 2023

B.S. in Mathematics, Graduated with Honors

Overall GPA: 3.73/4.00

Rank: 14/47

University of California, Berkeley

January 2022–May 2022

Visiting Student (Berkeley International Study Program)

University of Wisconsin-Madison

September 2022–Present

VISP/M.A. - Foundation of Advanced Studies (3+1+1)

Passed PhD Qualifying Exam on Algebraic Topology (score 34.5/40)

RESEARCH INTEREST

Algebraic Topology and Algebraic Geometry and related fields. Currently learning about intersection homology and perverse sheaves.

GRADUATE COURSEWORK

Spring 2021	Algebraic Topology I	A-
Spring 2022	Algebraic Topology II	A
Fall 2022	Algebraic Geometry I	A (full score)
	Algebraic Number Theory	A (full score)
Spring 2023	Algebraic Geometry II	A (full score)

ACADEMIC ACTIVITIES

2023 Summer–Fall	Directed reading with Laurentiu Maxim, read chapter 1–7 of the book Intersection Homology and Perverse Sheaves, with Applications to Singularities . Read about classical and sheaf theoretical version of intersection cohomology.
2022 Summer	Directed reading with Botong Wang on de Rham theorem and Cech-de Rham complex.
2021 Fall	Participated in student seminar: Reading seminar of Bott&Tu's <i>Differential Forms in Algebraic Topology</i> at Southern University of Science and Technology

OTHER SKILLS

Linux user for 8+ years. (Favorite distro: NixOS). Having experience in programming in Scala, Java, C++, Python, Lua, HTML/CSS/JS, Matlab, Mathematica, Scheme Lisp. Familiar with standard tools like Git, Emacs and Vim.

Participated in *Mathematics Contest in Modeling* in the year 2020 and 2021 as programmer and the best result is *Honorable participant*.