

Shengxi Jin

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EDUCATION BACKGROUND

University of Science and Technology of China (USTC), Hefei, China
Undergraduate, Loo-Keng Hua Honor Program, in Pure Mathematics track

Sep. 2021 - Present

University of California, Berkeley (UCB), Berkeley, United States
Visiting student, Berkeley Global Access Program

Jan. 2024 - May. 2024

ACADEMIC PERFORMANCE

Overall GPA:4.03/4.30

Weight Average Score:92.61/100

Major GPA:4.18/4.30

Weight Average Major Score:94.88/100

Ranking

9/161 in the major of Mathematics and Applied Mathematics

3/61 in Pure Mathematics track

PROJECT

Algebra and Number Theory Summer School

Jul. 2023 - Aug. 2023

Lectures and seminars on number theory

at **Academy of Mathematics and Systems Science, CAS**

- This summer school was initiated and organized by Prof. Shou-wu Zhang at Princeton University.
- Learned the basic theory of algebraic geometry, algebraic number theory, representation theory.

Undergraduate Research Program at USTC

Dec. 2023 - Jun. 2024

Hirzebruch—Riemann—Roch Theorem and its Applications

Advisor: Prof. Junchao Shentu, USTC

- Learned the basic theory of complex geometry and studied cohomology theory on complex manifolds.

Berkeley Mathematics Directed Reading Program

Jan. 2024-May. 2024

Topics in algebra

Advisor: graduate student Connor Halleck-Dubé, UCB

- Learned some topics in algebraic number theory.

Undergraduate Research Program at USTC

Jun. 2024 - Present

Symplectic studies on the large-scale Hofer's geometry via Floer theories

Advisor: Dr. Jun Zhang, USTC

- Learned the fundamentals of Floer theories and studied Hofer's geometry.

SEMINARS JOINED AND ORGANIZED

Homological Algebra

Ref: *An Introduction to Homological Algebra* by Joseph J. Rotman

Advisor: Prof. Xiaowu Chen, USTC

Geometric Analysis

Ref: *Riemannian Geometry and Geometric Analysis* by Jürgen Jost

Advisor: Prof. Sung-Jin Oh, UCB

Algebraic Topology on Manifolds

Ref: *Differential Forms in Algebraic Topology* by Raoul Bott, Loring W. Tu

Advisor: Prof. Zuoqin Wang, USTC

TEACHING ASSISTANT EXPERIENCE

- Fall 2023, Foundations of Geometry, Instructor: Prof. Junchao Shentu.
- Spring 2024, Real Analysis(H), Instructor: Prof. Guangbin Ren.
- Fall 2024, Commutative Algebra, Instructor: Prof. Yihuang Shen.

HONORS & AWARDS

- **The 15th National College Student Mathematics Competition(First Prize)**
- **Yang Yongman Scholarship**

January 2024

December 2022