Shengxi Jin

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EDUCATION BACKGROUND

University of Science and Technology of China (USTC), Hefei, China Sep. 2021 - Present
Undergraduate, Loo-Keng Hua Honor Program, Major in Pure Mathematics

University of California, Berkeley (UCB), Berkeley, United States Jan. 2024 - May. 2024
Visiting student, Berkeley Global Access Program

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
3/61 in major of Mathematics and Applied Mathematics

PROJECT

Algebra and Number Theory Summer School Jul. 2023 - Aug. 2023
Lectures and seminars related to 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 algebriac geometry, algebraic numebr theory, representation theory.

Undergraduate Research Program at USTC Dec. 2023 - Jun. 2024
Hirzebruch—Riemann—Roch Theorem and its Applications   **Instructed by Prof. Junchao Shentu, USTC**

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

Berkeley Mathematics Directed Reading Program Jan. 2024-May. 2024
Topics in algebra   **Instructed by 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 geometry via Floer theories **Instructed by Dr. Jun Zhang, USTC**

- Study Hofer geometry via Floer theories.

SEMINARS JOINED AND ORGANIZED

Homological Algebra   **Directed by Prof. Xiaowu Chen, USTC**
Ref: An Introduction to Homological Algebra by Joseph J. Rotman
Geometric Analysis   **Organized by Prof. Sung-Jin Oh, UCB**
Ref: Riemannian Geometry and Geometric Analysis by Jürgen Jost
Algebraic Topology on Manifolds   **Directed by Prof. Zuoqin Wang, USTC**
Ref: Differential Forms in Algebraic Topology by Raoul Bott, Loring W. Tu

TEACHING ASSITANT EXPERIENCE

- Sep. 2023-Jan. 2024: Teaching Assistant in Foundations of Geometry, Fall 2023
- Feb. 2024-Jun. 2024: Remote Teaching Assistant in Real Analysis(H), Spring 2024
- Sep. 2023-Present: Teaching Assistant in Commutative Algerba, Fall 2024

HONORS & AWARDS

- **The 15th National College Student Mathematics Competition(First Prize)** January 2024
- **Yang Yongman Scholarship** December 2022