

## Shengxi Jin

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### EDUCATION BACKGROUND

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

Sep. 2021 - Present

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

Jan. 2024 - May. 2024

### ACADEMIC PERFORMANCE

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**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

4/58 in major of Pure Mathematics

### PROJECT

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#### 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 algebraic geometry, algebraic number theory, representation theory.

#### Undergraduate Research Program at USTC

Dec. 2023 - Jun. 2024

*Hirzebruch—Riemann—Roch Theorem and its Applications* Instructed by **Asso. 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 **Assi. Prof. Jun Zhang, USTC**

- Study Hofer geometry via Floer theories.

### SEMINARS JOINED AND ORGANIZED

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#### Homological Algebra

Directed by **Prof. Xiaowu Chen, USTC**

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

#### Geometric Analysis

Organized by **Asso. 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 ASSISTANT EXPERIENCE

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- 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 Algebra, Fall 2024

### HONORS & AWARDS

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

January 2024  
December 2022