

CHUANQI SUN

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EDUCATION

Xi'an Jiaotong University, Honors Science Program (Mathematics)

Xi'an, China

B.Sc. in Mathematics

Sep. 2023 – Jul. 2027 (expected)

- **GPA:** 4.10/4.30 | 94.56/100
- **Rank:** 1/30
- **Research Interest:** Probability Theory, Statistics
- **Programming:** C++, Matlab, Python, R, LaTeX, Lean
- **Relevant Coursework:** Advanced Algebra and Analytic Geometry I-1 (100), Mathematical Analysis I-3 (100), Functions of a Complex variable (100), Functional Analysis (100), Elementary Number Theory (99), Mathematical Analysis I-2 (99), Abstract Algebra I (99), Ordinary Differential Equations (99), Probability (99)

University of California, Berkeley

Berkeley, CA

Berkeley Global Access Visiting Student Programs

Jan. 2026 – May. 2026

- **GPA:** 4.00/4.00
- **Relevant Coursework:** Graduate-level courses "Numerical Solutions of Differential Equations" (A) and "Linear Models" (A), and undergraduate-level course "Stochastic Process" (A).

Xi'an Jiaotong University, Gifted Youth Program

Xi'an, China

Preparatory Program

Sep. 2022 – Jun. 2023

- **GPA:** 87.15/100
- **Rank:** 11/193

RESEARCH EXPERIENCE

Random Derivative Free Optimization

Berkeley, CA

Mentor: Postdoc. Pengcheng Xie @ Lawrence Berkeley National Laboratory

Nov. 2025 - present

- Researched theoretical foundations of randomized subspace methods in the context of high-dimensional, black-box derivative-free optimization.
- Skilled in the theoretical derivation and proof of randomized subspace algorithms for black-box optimization.

Basics of Strategic Limit Theory

Xi'an, China

Mentor: Prof. Xiaodong Yan @ Xi'an Jiaotong University

Jun. 2025 - Sep. 2025

- Reviewed literatures on Strategic Limit Theory
- Composed a reading report about the application of Strategic Limit Theory in optimization problems

AI for Mathematics, Great Bay University

Dongguan, China

Mentor: Prof. Zaiwen Wen @ Peking University

Jan. 2025

- Learned the fundamental operations of formal theorem proving
- Successfully formalized the proof of a theorem in Convex Optimization

HONORS & AWARDS

Shing-Tung Yau College Student Mathematics Contest

Berkeley, CA

Meritorious Award, Probability and Statistics Track

May. 2026

Shing-Tung Yau College Student Mathematics Contest

Xi'an, China

Meritorious Award, Analysis and Differential Equations Track

May. 2025

The Chinese Mathematics Competitions for College Students (CMC)

Guangzhou, China

First Prize in National Finals (Non-Mathematics Category)

May. 2023

National Scholarship

Xi'an, China

Xi'an Jiaotong University

Nov. 2025

First-class Academic Scholarship

Xi'an, China

Xi'an Jiaotong University

Nov. 2024