

Tao Hu

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EDUCATION

Xi'an Jiaotong University(XJTU)	Xi'an, China
Honor Youth Program (Special Class for the Gifted Young)	08/2021-06/2022
Honor Science Program in Mathematics ,Average Score: 96.57/100, Ranking: 1/39	08/2022-Present
Core Courses(Finished): Real Analysis, Probability Theory(include measure theory), Numerical Analysis, Topology, Complex Analysis, Abstract Algebra, Ordinary Differential Equations(include simple dynamical system)	

LEADERSHIP AND PRACTICAL EXPERIENCE

Organization: Department of Mathematics, Peking University	Beijing, China
Mathematics in Lean workshop	01/13/2025-01/20/2025
<ul style="list-style-type: none">Learned to use Lean to formalize mathematical proves in optimization theoryFormalized a proof in convex optimization, submitting to Mathlib	
Organization: Department of Mathematics, Xi'an Jiaotong University	Xi'an, China
Teaching Assistant	09/09/2024-01/11/2025
<ul style="list-style-type: none">Conducted biweekly tutorials for over 50 studentsSupervised monthly quizzes in the professor's absenceEvaluated and graded assignments	
Organization: School of Journalism and New Media, Xi'an Jiaotong University	Xi'an, China
Teaching Volunteer	29/01/2024-20/02/2024
<ul style="list-style-type: none">Teach a 10th grade high school student mathematics, enabled the student to improve her citywide ranking from 11594th to 3870th	
Organization: Mathematics Helping Center, Xi'an Jiaotong University	Xi'an, China
Vice Minister of the Publicity Department	
<ul style="list-style-type: none">Assisted coordinating the publicity and promotional aspects of campus events related to mathematics, including designing posters and brochures and running the public account of Mathematics Club	

ACHIEVEMENTS/AWARDS

<ul style="list-style-type: none">Excellent Student Model (10/20,000, highest honor at Xi'an Jiaotong University)	academic year 2023-2024
<ul style="list-style-type: none">China National Scholarship (top 1‰)	academic year 2022-2023
<ul style="list-style-type: none">1stPrize of Chinese Mathematics Competition for College Students	2022,2023
<ul style="list-style-type: none">1stPrize of the final of Chinese Mathematics Competition for College Students, mathematics major in senior group	2024
<ul style="list-style-type: none">Excellence Award of S.-T. Yau College Student Mathematics Contest, Applied and Computational Mathematics(ranked 17th among global competitors)	2024
<ul style="list-style-type: none">Excellence Award of S.-T. Yau College Student Mathematics Contest, Analysis and Partial Differential Equations	2024
<ul style="list-style-type: none">3rdPrize of the final of Chinese Mathematics Competition for College Students, mathematics major in junior group	2023

TECHNICAL PROFICIENCIES

<ul style="list-style-type: none">Specific software capabilities: Python, MATLAB, C, C++, C#, LaTeX(include Beamer)Specific language proficiencies: English(TOEFL: 99, CET 4: 592, CET 6: 563)Subject proficiencies: Math(GRE SUB MATH: 970 (scaled score))	
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