

XIAOTIAN LIU

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PROFILE

I am a high schooler in RDFZ ICC of China with strong interests in math, music and sports. I love computer science as well, and I believe technology can change the world to an even better place.

EDUCATION

The International Curriculum Centre (ICC) at the High School Affiliated to Renmin University of China — Aug 2020-Present

- GPA: 4 / 4
- Grade: A for 18 courses, A+ for 19 courses

SUMMER PROGRAMS

- UChicago Summer Session — Jul 2022

PUBLICATIONS

- Xiaotian Liu. Image Deblurring Analysis Based on Deep Learning Algorithm. In Proceedings of the IEEE International Conference on Electrical Engineering, Big Data and Algorithms (EEBDA), pp 68-72, 2022

PROJECTS

- Trained an RNN-based model that can compose music — May 2022-Jun 2022
- Built an AI composer web application — Jul 2022-Aug 2022
- Studied courses including Python, data structure, machine learning, and completed a research paper on image deblurring via deep learning — Jul 2021-Apr 2022
- Learned basic quantum computing algorithms in the "Talent Program", which is jointly hosted by the China Association for Science and Technology (CAST) and the Ministry of Education of China (MOE) — Dec 2020-Apr 2022

AWARDS

- 8 / 15 in AIME(American Invitational Mathematics Examination) — Feb 2022
- Honorable Mention in HiMCM — Jan 2022
- 100.5 / 150 in American Mathematics Contest (AMC) 12A — Nov 2021
- Top 25% in Euclid Mathematics Contest — Mar 2021
- Top prize in Math Kangaroo USA

- Bronze medal in International Science Olympiads(IOL) — Apr 2021

ACTIVITIES

- Read 《Meditations on First Philosophy》 by René Descartes, analyzed the potential influence of Descartes' background on his writing.
- Leader of the mathematics modeling club in RDFZ ICC. Gave lectures every other week on modeling methods, led club members to compete in modeling competitions and won Honorable Mention — Jun 2021-Jun 2022
- Donation event leader. Held book donation events to collect books for underprivileged students in Hunan, and successfully donated 1300+ books for Qingshuiping nine-year system school, Baojing County, Xiangxi Tujia and Miao Autonomous Prefecture, Hunan Province — Mar 2021-Apr 2022
- Planetarium volunteer. Offered weekly guided tours, presented astronomy knowledge to 6000+ visitors and trained new volunteers — Jul 2020-Jul 2021

SPORTS

- Tennis competition organizer. Organized an intramural tennis competition with 10 participants.
- Tennis club leader in RDFZ ICC — Jun 2021-Jun 2022
- Practiced tennis for 5+ years — Jun 2014-Present
- Practiced pool(cue sports) for 3+ years.