

Aaron Z. Lin

 |  |  aaronlin0924@gmail.com |  +1.314.386.6116

I am a high school junior with strong interest in math research and have been successful in national academic competitions in math, physics, computer science, and linguistics. I enjoy problem solving and abstract thinking.

EDUCATION AND TRAINING

2022 - 2026 **Ladue Horton Watkins High School, Ladue, Missouri, USA** (GPA: 4.0/4.0)

Standardized tests and college-level coursework:

- ACT: 36
- PSAT: 1520
- AP exams: Calculus BC (5), Statistics(5), Physics C: Mechanics (5), Physics C: Electricity and Magnetism(5), Computer Science A (5), European History (5), English Language and Composition (ongoing), Chemistry (ongoing), United States History (ongoing), Microeconomics (ongoing)
- Multivariate Calculus
- Courses audited at [Washington University in St. Louis](#): Foundations for Higher Mathematics (MATH 310), Honors Mathematics I-II (MATH 203-204), Physics II (PHYSICS 192)
- Harvard CS 50x: Introduction to Computer Science (through edX.org, [certificate](#))

Summer 2025 **Research Science Institute, MIT**

RSI is the most prestigious international summer research program for high school students with about 80 students selected in the world each year. Students conduct individual projects under the tutelage of mentors who are experienced scientists and researchers.

2025 - 2026 **Math Research at MIT PRIMES-USA**

Research on hyperplane arrangement with [Prof. Olivier Bernardi](#) at Brandeis University

Feb 2025 **Non-trivial Research Program**

Through a 4-week Research Foundations Program, learn the basics of impactful research and generate research ideas.

Summer 2024 **Yau Mathcamp, Shanghai, China**

In this highly selective international math camp, I took three advanced math classes, Algebra and Number Theory, Algebraic Combinatorics, and Geometry and Topology, and won a Best Project Award Bronze Prize for an outstanding and creative research project.

Jun 2023 **US Math Olympiad Summer Program (MOP), Carnegie Mellon University**

Top finishers on the USAMO and USAJMO are invited to this 3-week intensive problem solving camp to prepare for International Mathematical Olympiad.

EXPERIENCE

Expil Fall 2023 - present

- Instructor for [LIVE](#) (Internship with Daily Challenge With Po-Shen Loh) (Apr 2024 - present)
- To-Be Teaching Assistant Intern (Fall 2023 - Apr 2024): taking training and improv lessons

Math instructor at St. Louis Modern Chinese School Fall 2022 - present

- Teach a yearlong competition math class (15-20 students) for middle and high school students
- Develop lecture notes, homework, and tests

Private tutor Fall 2021 - present

- Teach calculus, physics, competition math, elementary school math

SELECTED HONORS AND SCHOLARSHIPS

2025	MIT Research Science Institute (RSI) Scholar
2023	Qualifier for the Team Selection Test (TST) for selecting the US IMO team
2023	Qualifier for the US Mathematical Olympiad Program (MOP)
2022-2025	USA Mathematical Olympiad (USAMO/USAJMO) qualifier (four times)
2024	USA Physics Olympiad (USAPhO) Bronze
2025	Qualifier for the invitational round of the North American Computational Linguistics Open (NA-CLO) Competition
2022	USA Computing Olympiad (USACO) Silver
2025	Non-trivial scholarship (\$2,000 for participating in an online research program for high school students to lead impactful research)
2024	SIMIS scholarship (equivalent to \$9,000 for attending the Yau Mathcamp at Shanghai, China)
2024	Missouri State Science Olympiad Tournament 1st Place team, qualified for National Science Olympiad
2023, 2024	First Place in Newsmagazine at the JEA/NSPA National High School Journalism Convention (as a staff member and area editor)
2024	Selected to attend the Geospatial Science Summer Camp at University of Missouri at St. Louis (received \$200 stipend)
2023	Atlas Fellowship Finalist (awarded a \$1,000 scholarship for students interested in science, philosophy, and the future)
2023	National Science Bowl top 16 team, representing the Ladue High School
2023	First place team, Scholar Bowl, Missouri State High School Activities Association
2024	<i>PREMIO DE BRONCE</i> , National Spanish Exam (NSE) Level-3
2024	AP Scholar with Distinction, College Board
2020-2022	MATHCOUNTS National finalist and Missouri State Champion (all 3 years)
2021	MATHCOUNTS National Competitor Scholarship (\$750)
2019-2025	Qualifier for the American Invitational Mathematics Examination (AIME)

EXTRACURRICULAR ACTIVITIES

President for the Ladue High School Math Club	Fall 2023 - present
– Give math lectures and organize math contests and community projects	
President for the Ladue High School Physics Club	Fall 2024 - present
– Offer physics lectures and organize help hours	
Area Editor for the Ladue High School student magazine, Panorama	Fall 2023 - present
– Contribute and edit stories, graphical design, fund raising	
Student mentor at Washington University Math Circle	Spring 2023 - Fall 2024
– Provide individual help to participating students on learning advanced math topics	
Member of the Ladue School Orchestra	Fall 2022-present
– Playing violin in the my high school's Chamber Orchestra	
Volunteer performer	Multiple times each year since 2021
– Perform Chinese KungFu at various celebrations, such as the Lunar New Year Celebration at the Missouri State Capitol , the Chinese Culture Days Festival at Missouri Botanical Garden , Chinese New Year at The Magic House , and the Asian Pacific American Heritage Month event at the St. Louis Cardinals game	
Member of the Ladue School Junior Varsity Tennis Team	Spring 2024
– Represent the Ladue High School to participate in the high school JV tennis games	
Member of the Ladue School Chess Team B	2022-2023
– Represent the Ladue High School to participate in the Gateway Chess League	

Mentor for Missouri State Mathcounts Team

Spring 2023

- Help with practicing sessions to prepare the Missouri state team for the national final

Member of the Ladue School Soccer Team C

Fall 2022

- Represent the Ladue High School to participate in the high school soccer games at the freshman level

Online summer math enrichment ([website](#), [lecture recordings](#))

Summer 2021

- Organize and co-teach a free 8-week online lecture series during the Covid-19 pandemic
- Design the website, lectures, tests and other instruction materials, advertise the program

SKILLS

Computer	C++, Java, Python, L ^A T _E X
Foreign Language	Chinese (bilingual), Spanish (currently taking Spanish IV at high school)
Hobbies	Piano, Chinese Kung Fu, chess (USCF class A), violin, tennis, soccer