

Richard Yang

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🌐 <https://riyang25.github.io/>

Education

Iowa City West High School

Grade: 12

August 2021 - May 2025

Cumulative GPA: **4.39**

University of Iowa

Nondegree High School Student

August 2022 - Present

Cumulative GPA: **3.82**

Selected Courses

Fall 2022	📖 University of Iowa Intro. Linear Algebra, Discrete Structures, Data Structures
Spring 2023	📖 University of Iowa Intro. Abstract Algebra, Computer Organization
2022-2023	📖 West High School AP Physics C Mechanics
Fall 2023	📖 University of Iowa Calculus III, Intro. Mathematical Stats I, Algorithms, Intro. Software Development
Spring 2024	📖 University of Iowa Complex Variables, Intro. Mathematical Stats II, Operating Systems, Logic in Computer Science




Experience

2021-present	📖 Iowa City Math Circle Leader of in-person weekly meetings over three summers to teach local middle and high school students math, computer science, and biology. <ul style="list-style-type: none">• Lead instructor for math and computer science sessions.• Wrote eight handouts in LaTeX covering concepts from math competitions.• Developed curriculum to introduce beginners to Python.
	📖 Rocketry Club Cofounder and co-captain of high school team competing in the American Rocketry Challenge. <ul style="list-style-type: none">• Organized meetings and launch events.• Designed and assembled the model rocket.



Activities

2019-present	📖 West High Mu Alpha Theta Math club at West High School.
2021-present	📖 Iowa City Math Club Biweekly meetings during the school year for high and middle school students to build proof-based mathematics skills, organized by Prof. Mohammad F. Tehrani.




Activities (continued)

2023-present	 Science Olympiad Participated in state competition three times.
	 West Computing Club Cofounder of computer science club at West High. Weekly meetings introducing competitive programming competitions and web development concepts.
2024	 US Physics Olympiad Participated 2023-2024. Selected for the 2024 US traveling team to the European Physics Olympiad.

Skills and Interests

Coding	 Java, Python, C/C++, Git
Misc.	 Physics, cello, piano, running

Awards

2020-2024	 AIME qualifier (5x)
2024	 Gold Medalist, USA Physics Olympiad
	 Gold Medalist, European Physics Olympiad