

Richard Yang

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🌐 <https://riyang25.github.io/>

Education

Iowa City West High School

Grade: 11

August 2021 - May 2025

Cumulative GPA: **4.32**

University of Iowa

Nondegree Student

August 2022 - Present

Cumulative GPA: **3.93**

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



Experience

2021-present	📖 Iowa City Math Circle Leader of in-person weekly meetings over two 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.
	📖 Science Olympiad Participated in state competition twice. In the 2022-2023 season, won 2nd place in the Fermi Questions event and 3rd place in the It's About Time event at state.



Activities (continued)

- 2023  **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. Qualified for the 2024 US Physics Team.

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