Richard Yang

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🌐 https://riyang25.github.io/

Education

Iowa City West High School   August 2021 - May 2025
Grade: **11**   Cumulative GPA: **4.32**

University of Iowa   August 2022 - Present
Nondegree Student   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.

- 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.

- 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.

Skills and Interests

Coding   Java, Python, C/C++, Git

Misc.   Physics, cello, piano, running

Awards

2020-2023   AIME qualifier (4x)

Oct 2023   MMATHS 2023
5th place individual, 1st place team at test site

July 2023   Online Physics Olympiad Top 10 Team (U.S.)