

Richard Yang

EDUCATION

Iowa City West High School

GPA 4.39

Coursework:

- AP Microeconomics, AP Macroeconomics, AP Physics C Mechanics, AP US History, AP Human Geography, AP Statistics, AP French, AP Calc BC, AP Computer Science A

Iowa City, Iowa

Aug 2021 – May 2025

University of Iowa

GPA 3.82, Dual enrollment student

Coursework:

- Discrete Structures, Data Structures, Algorithms, Intro Software Development, Computer Organization, Operating Systems, Distributed Systems, Networks
- Complex Variables, Calculus III, Intro Linear Algebra, Intro Abstract Algebra, Mathematical Stats I & II, Fundamental Groups and Covering Spaces, Intro Econometrics
- Current courses: Deep Learning, Differential Equations, Linear Regression

Iowa City, Iowa

Aug 2022 – May 2025

ACTIVITIES

Iowa City Math Circle

Lead Organizer

- Leader of in-person weekly meetings over four 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 covering common concepts from math competitions.
- Developed curriculum to introduce beginners to Python.

2021 – Present

iowacitymathcircle.org

Online Physics Olympiad

Problem Writer

- Problem writer for the largest international student-run physics olympiad in the world.
- Helped logistics of running the competition, offering clarifications and handling requests from pool of over 900 contestants.

2024

opho.physoly.tech

AWARDS AND HONORS

Gold Medal, European Physics Olympiad

2024

- Selected to represent the United States at the European Physics Olympiad¹. Top 8% of all contestants received gold medals.

Gold Medal, USA Physics Olympiad

2024

- Award given to the top 50 students nationwide in the competition.

Silver Medal, USA Astronomy and Astrophysics Olympiad

2024

- Placed 12th nationally.

American Invitational Mathematics Exam

2020 – 2025

- Qualified for the exam every year since 2020.

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¹In 2024 the US team traveled to the European Physics Olympiad instead of the International Physics Olympiad.