

# Easton Wei

## Contact Information

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## Education

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**WW-P Community Middle School**  
*Student*

**Fall 2022 – Summer 2025**

## Internships

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**WINLAB Summer Intership**  
*Intern*

**Jun – Aug 2025**

Worked on the project “Visual Perception for AR Glasses”, and did detailed benchmarking on the effect of decreasing the framerate of an input recording on the accuracy of two different SLAMs. The end goal was to investigate ways to decrease the power usage of on-device data collection. Project page:  
[https://extouchtriangle.github.io/winlab\\_summer\\_2025/weekly.html](https://extouchtriangle.github.io/winlab_summer_2025/weekly.html)

## Awards and Results

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**Mathematics**.....

- Strong background in algebra, combinatorics, number theory, and Euclidean geometry.
- Also studied linear algebra and multivariable calculus.

**MathCounts National Competition**  
*21st out of 224 competitors*

**May 2025**

The top 4 middle-school students in each of 56 U.S. states and territories are selected to participate in the National Competition.

**MathCounts NJ State Competition**  
*4th place*

**March 2025**

MathCounts is a middle-school competition that involves an individual round and a team round. The top 10 individual competitors compete in a buzzer-based round. The top 4 finishers after the buzzer-based round advance to the National Competition.

**AIME I**  
*10/15*

**February 2025**

Top scorers on the AMC 10 and AMC 12 are invited to participate in the AIME. While the competition assesses similar areas compared to the AMC 10/12, the problems are significantly more difficult.

**PUMaC (Princeton University)**

**November 2024**

PUMaC is a high-school mathematics competition, offered in-person at Princeton University. The 8-person team was selected from the student body of WW-P High School North and WW-P Community Middle School.

**MMATHS (Yale University)**  
*3rd place team*

**November 2024**

MMATHS is a high-school mathematics competition consisting of an individual round and a team round, available to be taken at multiple venues across the country. The 6-person team was selected from the student body of WW-P High School North and WW-P Community Middle School.

AMC 10B

November 2024

138/150, top 1%

Honor Roll of Distinction

The AMC 10 is open to all American students in grades 10 and younger. The problems cover concepts including algebra, combinatorics, geometry, and number theory.

ARML (Pennsylvania State University)

May 2024

Participated through WW-P High School North

The ARML is a high-school math competition offered at Pennsylvania State University. Each high school can send 1–2 teams to the event. 30 students (split into two teams) were selected from the WW-P and Princeton school districts to participate in this event.

MathCounts National Competition

May 2024

41st out of 224 competitors

The top 4 middle-school students in each of 56 U.S. states and territories are selected to participate in the National Competition.

MathCounts NJ State Competition

March 2024

2nd place

MathCounts is a middle-school competition that involves an individual round and a team round. The top 10 individual competitors compete in a buzzer-based round. The top 4 finishers after the buzzer-based round advance to the National Competition.

AMC 8

February 2024

24/25, top 1%

Honor Roll of Distinction

The AMC 8 is a middle-school mathematics competition open to be taken by American students in grades 8 and younger. It assesses geometry, number theory, algebra, and combinatorics.

Science.....

○ Solid background in chemistry, biology, physics, and astronomy.

PRISMS Science Bowl

February 2025

1st place, team captain

A state-wide science competition organized by the Princeton International School of Math and Science (PRISMS).

Science Olympiad National Competition (Michigan State University)

May 2024

The first-place team at each state competition advances to the national competition.

NJ State Science Olympiad Competition

March 2024

1st place

Science Olympiad is a middle-school science competition that features multiple events, with questions based on physics, chemistry, biology, geology, and engineering.

Skills

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General Computer Science.....

○ Watched lecture videos for MIT 6.006 (Introduction to Algorithms), offered by the MIT CSAIL department.

○ Familiar with Python, Arch Linux, and Ubuntu Linux.

## Machine Learning.....

- Studied course materials in CS231n (Deep Learning for Computer Vision), offered by the Computer Science Department at Stanford University.
- Familiar with PyTorch, NumPy, Convolutional Neural Networks, Recurrent Neural Networks, Transformers (Multihead Self-Attention, Positional Encoding), Generative Adversarial Networks, Self-Supervised Learning

## Chemistry.....

- Studied General Chemistry, AP Chemistry, and Organic Chemistry

## Hobbies

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Tennis, Violin, Computer Programming, Rubik's Cube

### **GCU Spring 2023 (Speedcubing)**

**May 2023**

*14.20 second average 3x3x3 time*

Competitors solved Rubik's cubes (and similar puzzles) as fast as they could.

### **Central Jersey Regional Orchestra**

**February 2023**

*Participated in String Orchestra*

60 violinists from the Central Jersey region were selected to play the violin in the Regional Orchestra.