Easton Wei

Contact Information

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Education

WW-P Community Middle School **Fall 2022 – Summer 2025**
Student

Internships

WINLAB Summer Intership **Jun – Aug 2025**
Intern
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.

Awards and Results

Mathematics

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

MathCounts NJ State Competition **March 2025**
4th 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.

AIME I **February 2025**
10/15
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) **November 2024**
3rd place team
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

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

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.