

# Tyler Wang

Email: tylerww3@illinois.edu | Website: tylerwang.org | GitHub: github.com/tylerwwang | Citizenship: US

## Education

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### University of Illinois Urbana-Champaign

Aug 2023 – May 2026

*Physics BS, Mathematics BSLAS*

- **GPA:** 3.96/4.0
- **Honors:**
  - James Scholar (2024-2026)
  - Deans List (2023-2024)

### Naperville Central High School

Aug 2019 – May 2023

- **GPA:** 3.94/4.0 (Unweighted)
- **Honors:**
  - Naperville Excellence in Education (2023)
  - Illinois Seal of Biliteracy (2023)
  - Illinois State Scholar (2023)

## Experience

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### Researcher, Illinois Mathematics Lab – Urbana, IL

Aug 2024 - Present

- Conducted research in multiple groups, exploring diverse mathematical problems.
- Investigated the theoretical capabilities of quantum computers in solving graph-related problems as part of a research team.
- Contributed to a project focused on developing digital representations of complex topological spaces.

### Tutor, Varsity Tutors

July 2023 - Present

- Tutored students nationwide in mathematics and physics at both high school and university levels.
- Developed personalized learning plans to help students achieve their individual goals.
- Designed curricula for classes over the summer to prepare students for an upcoming school year.

### Team Manager, Milkdromeda (Team #18655)

Aug 2020 - May 2022

- Co-founder and team manager of a robotics team in the FIRST Tech Challenge.
- Oversaw team meetings, managed deadlines, mentored new members, and handled social media and outreach.
- Provided mentorship to new members of all experience levels.

## Technical Skills

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**Computational:** Python, Mathematica, C/C++, Java, JavaScript, React, HTML, CSS, LaTeX, Windows, MacOS, Linux, Excel

**Languages:** English, Chinese (Mandarin), French