

YOYO JIANG  
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## EDUCATION

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**BA/MA in Mathematics**, Johns Hopkins University

Expected May 2025

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## RESEARCH EXPERIENCE

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- **Braidings on Non-Split Tambara-Yamagami Categories over the Reals** (joint with David Green, Sean Sanford). in preparation.
- **Interface Resistance of Biomolecular Condensates** (joint with Yaojun Zhang, Andrew G.T. Pyo, Clifford P. Brangwynne, Howard A. Stone, Ned S. Wingreen). reviewed preprint. (<https://doi.org/10.7554/eLife.91680.1>)

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## PRESENTATIONS

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5. *A Geometric Introduction to Representation Theory*. Talk, JHU Math Club, April 2024.
4. *Braidings on Non-Split Tambara-Yamagami Categories over the Reals*. Talk, Mid-Atlantic Research Exchange (JHU MATRX), March 2024.
3. *Braidings on Non-Split Tambara-Yamagami Categories over the Reals*. Poster, Joint Mathematics Meeting, January 2024.
2. *Braidings on Non-Split Tambara-Yamagami Categories over the Reals*. Talk, Young Mathematicians Conference, August 2023.
1. *Introduction to Monoidal Categories*. Talk, JHU Math Club, May 2023.

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## TEACHING EXPERIENCE

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### Johns Hopkins University

- Course Assistant, Calculus 1 (fall 2022).
- Learning Assistant, Physics 1 (spring 2022, fall 2022).
- Learning Assistant, Physics 2 (spring 2023).

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## ORGANIZATION

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President of JHU Math Club (Ex Numerica)

Jan 2023 – Present

Board member of JHU Society of Physics Students

Sep 2021 – May 2023

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## AWARDS

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Best Presentation, JHU MATRX Conference

2024

Woodrow Wilson Research Fellowship, Johns Hopkins University

2021 – Present

Dean's List, Johns Hopkins University

2021 – Present