

# ANTHONY NGUYEN

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## RESEARCH INTERESTS

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Differential geometry, symplectic geometry, and gauge theory.

## EDUCATION

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### University of Minnesota, Twin Cities

2023 - Present

PhD. Mathematics

*Advisor: Tian-Jun Li*

### Cornell University

2018 -2022

B.A. Mathematics and Physics

*Advisor: Xin Zhou*

## RESEARCH

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- *Minimal Surfaces In Holographic Entanglement Entropy*. Cornell University Undergraduate Thesis

## PROFESSIONAL ACTIVITIES

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### University of Minnesota

- Mathematics Directed Reading Program, Organizer, Mentor, 2023-2024.
- Student Symplectic Geometry Seminar, Organizer, Fall 2024
- Gromov-Witten Reading Seminar, Organizer, Fall 2024
- Complex Geometry Reading Seminar, Organizer, Spring 2024
- Seiberg-Witten Reading Seminar, Organizer, Fall 2023

### Cornell University

- Society of Physics Students, Peer Mentor

## TEACHING EXPERIENCE

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### University of Minnesota

- MATH 2243: Differential Equations and Linear Algebra, Teaching Assistant, Fall 2024.
- MATH 1271: Calculus I, Teaching Assistant, Spring 2024.
- MATH 1271: Calculus I, Teaching Assistant, Fall 2023.

### Cornell University

- MATH 1920: Multivariable Calculus, Undergraduate Teaching Assistant, Fall 2019.
- PHYS 1112: Mechanics and Heat, Undergraduate Teaching Assistant, Fall 2019.

## TALKS

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- Student Symplectic Geometry Seminar, *Seiberg-Witten theory I, II (expository)*

## CONFERENCES AND WORKSHOPS

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- Yamabe Memorial Symposium 2024, Participant, University of Minnesota
- Topology Students Workshop 2024, Participant, Vanderbilt University