

# Chayim Lowen

Princeton University  
Department of Mathematics  
Fine Hall, Washington Road  
Princeton NJ, 08540

## Education

- 2023 – **Princeton University**  
Doctoral student in mathematics  
Advisor: *June Huh*
- 2019 – 2023 **University of Toronto**  
B.A. in Mathematics

## Teaching

- Winter 2025 **MAT425**, *Integration Theory and Hilbert Spaces*, Assistant in Instruction.
- Fall 2024 **MAT215**, *Single Variable Analysis*, Assistant in Instruction.
- Winter 2023 **MAT136**, *Calculus II*, Teacher's Assistant.
- Fall 2022 **MAT135H1**, *Calculus I*, Teacher's Assistant.
- Winter 2022 **MAT136H1**, *Calculus II*, Teacher's Assistant.
- Fall 2021 **MAT135H1**, *Calculus I*, Teacher's Assistant.
- 2020-2021 **MAT137Y1**, *Calculus with Proofs*, Teacher's Assistant.

## Preprints

- Counterexamples to  $\mathbb{G}_m$ -convexity for toric varieties**,  
with Theodore Gonzales.
- Simultaneous generating sets for flags**,  
with Federico Glaudo and Noah Kravitz, [arXiv:2502.09530](#).

## Awards

- Norman Stuart Robertson Scholarship in Mathematics** (2022),  
University of Toronto.
- Margaret Ronald Taylor and Thomas Paxton Taylor Scholarship** (2022, 2020),  
University of Toronto.

**Professor R. K. Arnold Scholarship III (2022),**  
University of Toronto.

**NSERC Undergraduate Student Research Award (2022),**  
University of Toronto.

**Bev And Harvey Botting Scholarship I (2020),**  
University of Toronto.

**C. David Naylor Scholarship (2019),**  
University of Toronto.