

# Benjamin May

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## Education

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**Rice University**, BS in Mathematics – Houston, TX Expected May 2026

- GPA: 3.98/4.0 ([Transcript](#))
- **Relevant Completed Coursework:** Honors Calc III & IV, Computational Thinking, Principles of Economics, Honors Linear Algebra, Algorithmic Thinking, Abstract Algebra I & II, Intro to Analysis I & II, Financial Accounting, Intro to Programming Design, Partial Differential Equations I, Probability and Statistics
- **Relevant Current Coursework:** Mathematical Probability I, Differential Geometry of Curves and Surfaces, Integration Theory, R for Data Science

**Horace Mann High School** – New York, NY Sept 2018 - June 2022

- SAT: 1570
- National Merit Finalist

## Experience

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**Undergraduate Researcher**, June 2024 – Aug 2024

The Fields Institute for Research In Mathematical Sciences – Toronto, Canada

- Team project: Risk-Averse Dynamic Programming for Non-Sequential Decision Processes supervised by University of Toronto Statistics Chair Sebastian Jaimungal, and Associate Professor Piotr Zweirnick
- Generalized an optimization problem relating to risk-averse decision making from chains to trees.
- Proved that under some technical assumptions there exists an optimal solution that can be obtained through dynamic programming equations.
- Demonstrated applications of our mathematical results by creating and implementing models.

**Summer Intern**, Old Orchard Capital – New York, NY May 2023 – June 2023

- Analyzed the credit of high yield bonds and presented the results
- Shadowed traders and credit analysts; attended investor meetings; developed a fund pitch

## Activities

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**Financial Analyst**, Rice Undergraduate Investment Fund – Houston, TX Jan 2024 – Present

- Member of the Communication Services Sector
- Identify and evaluate stocks; develop and present pitches
- Completed training program as part of competitive admission process

**Directed Reading Program Participant**, Rice University – Houston, TX Sept 2023 – March 2024

- Topic area was measure theory and harmonic analysis under the guidance of Professor Nets Katz
- Gave presentations to the reading group

**Undergraduate Grader**, Rice University – Houston, TX Jan 2024 – May 2024

- Graded problem sets and held office hours for Honors Linear Algebra

**Intramural Sports Participant**, Rice University – Houston, TX Sep 2022 – Present

- Soccer, Flag Football

## Skills and Interests

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**Languages:** Python, Java, R, SQL, C, VBA

**Software:** Microsoft Excel, Word, PowerPoint

**Interests:** Math, Investing, Soccer, Tennis, Board Games