

# Jonathan Ma

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## EDUCATION

### Johns Hopkins University

*Masters of Science in Engineering-Applied Math and Statistics*

**Relevant Coursework:** Investment Science, Stochastic Processes in Finance

**Baltimore, MD**

Aug 2025

### Rutgers University

*Bachelor of Science, Finance and Economics, Statistics Minor*

**GPA:** 3.929 / 4.0

**Honors:** Economics Department Award, Summa Cum Laude, Omicron Delta Epsilon

**Relevant Coursework:** Econometrics, Applied Data Mining, Statistical Models

**Camden, NJ**

May 2025

## WORK & LEADERSHIP EXPERIENCE

### Rutgers University

*Research Assistant*

**Camden, NJ**

Oct 2023 – July 2025

- Utilized Python to scrape 75,000 earnings call and conference transcripts from Capital IQ, then cleaned and processed the data in R to prepare it for sentiment analysis. Leveraged GPT chain-of-thought prompting to analyze company financials for further insights, and manually validated all results to ensure accuracy.
- Applied mixed effects and PRECEDE-PROCEED models to investigate health inequalities and disparities across different demographic groups using large-scale datasets from NSCH. Interpreted model results to inform policy recommendations aimed at improving equitable access to healthcare.

*Course Assistant*

Mar 2022 – May 2025

- Completed 150+ sessions in Statistics and Calculus courses. Specialized in simplifying concepts and effectively communicating ideas and methodologies to provide an enriched learning experience that tailors to different majors.
- Designed and led supplemental instruction sessions that focused on key concepts and problem-solving techniques, directly contributing to a noticeable 15% increase in average exam scores among participants. These sessions were meticulously tailored to address common areas of difficulty, enhancing students' understanding and mastery of the material.

### RUC Student Finance Association

*Vice President & Co-Founder*

**Camden, NJ**

Oct 2022 - May 2025

- Advised club president regarding strategic direction and developed semester goals resulting in 20+ successful networking, federal tour, and club events and a 400% increase in club membership.
- Organized and managed the organizations database complete with member analytics and to-do lists to keep the rest of leadership up to date on potential leadership candidates and attendance. Passed on the Google Site with complete documentation, and built a handbook called "The Big Book of SFA"

## SKILLS, ACTIVITIES & INTERESTS

**Technical Skills:** R, Python, MATLAB

**Certifications & Training:** Bloomberg Market Concepts-Mar 2022, CFI FMVA-Aug 2024