

Evan Rowbotham

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EDUCATION

New York University, College of Arts and Sciences

Bachelor of Arts in Mathematics

Cumulative GPA: 3.81/4.00

New York, NY

Expected Graduation: May 2026

EXPERIENCE

Courant Institute of Mathematical Sciences

Forthcoming Senior Thesis, Advisor: Charles Peskin

New York, NY

Sept 2025 – May 2026

NYU Langone

Undergraduate Researcher, The Flinker Lab

New York, NY

May 2025 – Present

The Wharton School

Undergraduate Researcher, Duncan Watt's CSSLab

Philadelphia, PA

June 2024 – August 2024

- Coauthored a [paper](#) on leveraging NLP to analyze team communication and predict factors that contribute to "good" or "bad" conflict in conversations. [**Accepted to NeurIPS 2024 Workshop**]
- Developed synthetic datasets using GPT-4o to test the conflict model [F1 scores: 0.97, 0.95, 0.91].
- Restructured the GitHub repository and tech-stack for future extensions of our proprietary toolkit, [TCT](#).

Columbia University

Undergraduate Researcher, The Billinge Group

New York, NY

July 2023 – May 2024

- Systematized similarity comparisons between x-ray diffraction images using Haar cascade classifiers and novel algorithms.
- Built a new release for `pdffit2` on conda-forge, customized for native ARM builds, and resolved a WSL issue.
- Spearheaded the release of `pdffit2` & `pdfgui` on conda-forge and diffpy, increasing users by 120%.

Floating Point Group

Data Science Intern

New York, NY

June 2023

- Implemented the Almgren-Chriss Model to minimize market impact and transaction costs.
- Forecasted price dynamics and volatility via time-series analysis for optimal trading trajectories.
- Deployed K-means clustering to segment historical market data for improved execution strategies.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Night Science

Attendee & Social Media Manager

New York, NY

April 2025 – Present

- Manage and grow Night Science's social media presence, leading to a 125% increase in event participation and broader community engagement.
- Spearheading the creation of short-form content that promotes creative thinking in science, with a focus on early-career researchers and students.
- Collaborating with Prof. Yanai on podcast development, including guest curation and shaping thematic direction for upcoming episodes.

STEM Alumni Network

Founder

Wayne, NJ

May 2022 – Present

- Launched the Wayne Valley STEM Alumni Network to institutionalize mentorship, partnering with administrators to build a searchable alumni contact database for students.
- Created the school's first High School STEM Guide and established an annual alumni panel series to provide students with pragmatic insights into STEM careers and college pathways.

OTHER SKILLS & INTERESTS

Activities: Mathematics Tutor, NYU Mathematics Society, STEM Valley Alum Mentor

Languages: Python, C++, Java (*ordered by proficiency*)

Interests: Animation, Blogging, Bodybuilding, Dynamical Systems, Night Science, Philosophy of Physics, Street Art