Isabella Wrobleski

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EDUCATION

New York University May 2026
BA in Mathematics and Data Science | Minor in Web Programming and Applications

- GPA: 3.85
- **Relevant Coursework:** Principles of Data Science, Fundamentals of Machine Learning, Causal Inference, Data Structures, Mathematical Statistics, Numerical Analysis, Data Management and Analysis

Queensbury High School June 2022
International Baccalaureate Diploma

EXPERIENCE

Data Analyst, Project Lead September 2025 – Present
Biokind Analytics | New York, NY

- Analyze and visualize donor datasets to identify behavioral patterns and trends for New York City-based non-profit organizations
- Design and implement a data pipeline and dashboard in Python to automate data transformation and analysis and persist processed results
- Lead a team of developers by defining project requirements, delegating tasks, and overseeing end-to-end development workflow

Undergraduate Grader January 2025 – Present
New York University Department of Mathematics | New York, NY

- Evaluate and provide detailed feedback on weekly assignments for 100+ undergraduate Calculus I and II students

PROJECTS

Book Tracking Application 2025 (Ongoing)
Personal Project

- Developed a Flutter application for tracking reading progress and reviewing books, integrating the Google Books API to retrieve book metadata.

Course Registration System 2025
Academic Project - Data Structures

- Designed and implemented a mock course registration system in Java using object-oriented principles and data serialization to manage persistent student and course records.

Spotify Data Analysis 2023
Academic Project - Principles of Data Science

- Analyzed 50K+ Spotify tracks using statistical inference and machine learning to investigate drivers of track popularity, applying non-parametric hypothesis testing, correlation analysis, and regularized regression in Python
- Used PCA and unsupervised learning (k-means clustering) to identify latent audio features and evaluate clustering structure; assessed model limitations and interpretability

TECHNICAL SKILLS

Programming & Data Science: Python (NumPy, pandas, SciPy, scikit-learn, PyTorch, Matplotlib, BeautifulSoup, JSON), Java, HTML, CSS, jQuery
Databases & Tools: SQL, MongoDB, Git, LaTeX