

## Eric Figueroa

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### EDUCATION

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**Lehman College – New York, NY**

Expected graduation: May 2026

**Bachelor of Arts in Economics and Mathematics**

**GPA: 3.8/4.0 (Cumulative); 3.9/4.0 (Economics & Mathematics)**

- Relevant coursework: Multivariable Calculus, Linear Algebra, Statistics, Econometrics, Applied Data Analysis

### WORK EXPERIENCE

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**National Science Foundation – New York, NY**

February 2025 – May 2025

Research Assistant

- Designed Python-based machine learning pipelines for anomaly detection and pattern discovery in large, high-noise datasets.
- Applied statistical signal-extraction techniques to 100k+ observations, delivering rapid analytical insights under evolving data conditions.

**HP – Remote**

March 2024 - June 2024

Business Analytics & Venture Capital Research Intern

- Conducted data-driven analysis of startup deal flow using PitchBook, evaluating growth trajectories, funding dynamics, and strategic fit.
- Built structured Excel-based comparison frameworks to support investment and acquisition decisions across multiple business models.

**Mount Sinai Adolescent Health Center – New York, NY**

March 2024 - June 2024

Community Asset Mapper

- Analyzed large metropolitan datasets (NYC, Chicago) to identify statistical relationships between infrastructure variables and health outcomes.
- Translated multi-dimensional Excel analyses into concise stakeholder reports, emphasizing data-driven economic and risk insights.

### DATA & ANALYTICS PROJECTS

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- Built Python alert systems for trend detection using time-series indicators and thresholds.
  - Simulated rule-based strategies to evaluate signal performance across market regimes.
  - Analyzed large public datasets to assess disruption risk using exploratory data analysis.

### TECHNICAL SKILLS

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- Programming: Python (Pandas, NumPy), SQL, Excel (VLOOKUP, PivotTables, Data Visualization)