

Eric Figueroa

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EDUCATION

Lehman College – *New York, NY*

Expected graduation: May 2026

Bachelor of Arts in Economics and Mathematics

GPA: 3.7 | Major GPA: 3.8

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

WORK EXPERIENCE

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*

July 2022 - August 2022

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

- 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

- Programming: Python, Excel, SQL, and R.