Javier Gutierrez

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EDUCATION

Rutgers University-New Brunswick   Sep 2024 to May 2028
Bachelor of Science in Mathematics & Data Science (Economics Track)   *New Brunswick, NJ*

- **GPA: 3.8/4.0** | Dean's List (2024 to 2025)
- **Relevant Coursework:** Econometrics, Linear Algebra, Intro to Data Science, Micro/Macro Economics, Calculus I-II

TECHNICAL SKILLS

Languages & Libraries: Python (Pandas, NumPy, Plotly, Matplotlib), SQL, Java, R
Analysis & Modeling: Financial Modeling, Time-Series Analysis, Statistical Analysis, Linear Regression
Tools & Frameworks: Streamlit, API Integration (yFinance, FRED), Git/GitHub, Tableau, Excel

PROJECTS

Sector Volatility & Asset Recovery Dashboard | *Python, Streamlit, Pandas, Plotly*

- Engineered an interactive web application hosted on **Streamlit** to analyze how consumer retail equities absorb and recover from volatility shocks compared to major indices
- Optimized the data retrieval pipeline by implementing in memory caching, eliminating redundant API requests and preventing rate limiting from Yahoo Finance
- Programmed **Pandas** logic to dynamically compute complex risk metrics including maximum drawdowns, annualized Sharpe ratios, and rolling volatility
- Integrated **Plotly** Express to generate interactive correlation matrices and time series charts

Macroeconomic Trend Monitor | *Python, Pandas, FRED API*

- Architected an automated data pipeline to extract and clean key economic indicators including CPI and Unemployment directly from Federal Reserve sources
- Executed correlation analysis between historical Federal Funds Rates and market performance to identify statistical anomalies preceding economic downturns
- Standardized fragmented datasets using advanced **Pandas** operations to handle missing variables and align datetime indices for accurate time series forecasting

EXPERIENCE

Driver & Sales Associate   June 2025 to Present
Advance Auto Parts   *North Plainfield, NJ*

- Managed high volume inventory logistics and commercial deliveries, improving route efficiency by **15%** through schedule optimization
- Resolved complex client inquiries regarding automotive specifications, maintaining a 100% satisfaction rating with key commercial accounts
- Maintained accurate daily records of store inventory and commercial client transactions within the corporate point-of-sale database

LEADERSHIP & ACTIVITIES

Data Science Club | *Event Coordinator*   Sep 2024 to Present

- Coordinated technical workshops on **Python** and **R** for **30+** members, fostering a collaborative learning environment for underclassmen
- Developed a sentiment analysis model for social media text data using the Natural Language Toolkit (NLTK) in a team based agile setting

Economics Society | *Active Member*   Sep 2024 to Present

- Analyze data driven economic forecasting models and the impact of Federal Reserve monetary policy on global equities during weekly roundtables