

Amir Yaghoobi

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EDUCATION

Columbia University New York, NY
MS in Data Science, GPA: 3.83/4.00
Dec 2026
Courses: Algorithms, Statistical Inference, Machine Learning.

Binghamton University Binghamton, NY
BS in Financial Economics , Minor in Digital and Data Studies, GPA: 3.93/4.00
May 2025
Courses: Python, Econometrics, Economic Forecasting.
Recipient of the Economics Faculty Award for Excellence in Economics.

WORK EXPERIENCE

Harpur Edge, Binghamton University Binghamton, NY
Data Analyst Associate Aug 2024 - May 2025

- Built and deployed automated Python-based data management systems, eliminating dozens of year end manual hours and enabling faculty to make faster, more accurate decisions.
- Authored detailed workflow documentation to maintain consistency and facilitate adoption of automated systems across teams.
- Identified inefficiencies in resource-drive distribution and proposed automation framework, earning director approval and leading to implementation by Information Technology Services, saving hundreds of manual work hours.

Harpur Edge, Binghamton University Binghamton, NY
Data Analyst Intern May 2024 - Aug 2024

- Quantified student engagement and growth trends utilizing Python, producing actionable insights influencing strategies to expand outreach.
- Delivered donor reports with Python-based analysis of engagement metrics across hundreds of events and appointments, equipping administrators with data-driven insights informing fundraising initiatives.

Bioinformatics - Division of Nephrology, Columbia University Irving Medical Center New York, NY
Intern Jun 2023 - Aug 2023

- Conducted computational genomic analysis validating findings in a new cohort of 460,000 individuals and contributed to a peer-reviewed study published in Functional & Integrative Genomics (2024).
- Applied Python (Pandas, Numpy, SciPy, Matplotlib) and R (Tidyverse, Data.table, Ggplot2) to preprocess, analyze, and visualize large genomic datasets.

PROJECT EXPERIENCE

Binghamton University Binghamton, NY
Honors Thesis Student Aug 2024 - May 2025

- Performed an event study assessing how hurricanes impact stock returns of property and casualty insurance companies, highlighting short-term volatility and sector-specific risks.
- Leveraged econometric techniques (OLS, fixed effects, random effects) and machine learning models (gradient boosting within a double machine learning framework) to evaluate abnormal returns.
- Collected and structured ten years of financial and meteorological datasets, ensuring reproducibility through Python-based preprocessing and econometric modeling.

Binghamton University Binghamton, NY
Research Assistant Feb 2025 - Apr 2025

- Collaborated with faculty to utilize python in collecting, cleaning and structuring diverse data sets, enabling accurate economic modeling and robust policy analysis.

Binghamton University Binghamton, NY
Co-Author Jan 2024 - May 2024

- Partnered with a professor to co-author a white paper, Revisiting Dividend Yield as a Predictor for Future Returns, analyzing 69 companies across 12 years and contributing to both model construction and manuscript preparation.

TECHNICAL SKILLS

Programming: Python, R, HTML/CSS, SQL.

Python Packages: Pandas, Numpy, Statsmodels, Scikit-Learn, Matplotlib, Seaborn, Beautiful Soup, Selenium.