

Quinn J. Pearson

(631) 678-3325 • qnpearson@gmail.com • [GitHub](#) • [LinkedIn](#)

Education

Georgia Institute of Technology, College of Computing, Remote, US Expected May 2026
Masters of Science - Computer Science

Binghamton University, State University of New York, Harpur College, Binghamton, NY May 2023
Dual Degrees - Economic Analysis (B.S.), Mathematical Sciences (B.A.); Minor - Physics

Activities: Vice Chair - [Student Association Judicial Board](#), President - BU Poker Club, and Teacher's Assistant - Physics 132 (E&M)

Certifications:

Tableau - [Tableau Desktop Specialist](#) January 2024
Google - [Advanced Data Analytics](#) November 2023
UC Davis - [SQL for Data Science](#) September 2023
HarvardX - [CS50P \(Introduction to Programming with Python\)](#) August 2023

Professional Experience

Beats by Dr. Dre June 2024 - Present

Consumer Insights Data Analytics Externship

- Analyzed customer review data to extract insights and generate visualizations informing product and branding strategy
- Utilized AI and natural language processing tools to perform sentiment analysis on consumer reviews and summarize feedback
- **Technology Used:** Python, pandas, SQL, Matplotlib, Gemini AI

Hewlett-Packard Company (HP) February 2024 - April 2024

Business Analytics Externship

- Conducted market analysis on tech startups specializing in artificial intelligence to discover venture capital investment opportunities
- Prepared presentations comparing startup business strategies and valuation metrics to present to the project manager
- **Technology Used:** Python, pandas, SQL, Matplotlib, Open Refine, Microsoft Excel

Cognizant January 2024 - February 2024

Artificial Intelligence Externship

- Prepared a machine learning pipeline automating data cleaning, model training, tuning, and visualization of performance metrics
- Presented findings in the form of a PowerPoint presentation to communicate insights to the client and relevant teams
- **Technology Used:** Python, XGBoost Regressor, GridSearchCV, pandas, NumPy, Matplotlib, Google Colab

Melvin Trading (Start Up), New York, NY May 2022 - August 2022

Data Analyst

- Engineered an [algorithm](#) to differentiate price data using momentum and acceleration enhancing backtest profitability by ~8%
- Developed a custom [algorithm](#) to locate erroneous price data due to stock splits and adjust faulty data for current split price
- **Technology Used:** Python, pandas, NumPy, FinDiff, Requests, Polygon API, Matplotlib, retry

Project Experience

[Financial Statements Reader](#) December 2023 - March 2024

- Architected a computer vision pipeline for the automated extraction of key financial statements from [EDGAR](#) 10-K/10-Q filings
- Engineered a NLP classifier using the Google Cloud Vision API for text extraction and content-based page categorization
- Implemented a data pipeline to transform 100,000+ complex images into structured data
- **Technology Used:** Python, Google Cloud, Tesseract, OpenCV, PyMuPDF, RegEx, Selenium, pandas, NumPy, SQL, SQL Server

[Sailfort Motors HR Analytics Project](#) October 2023 - November 2023

- Compiled a data-driven report detailing key trends in employee turnover rates and company inefficiencies
- Utilized k-means clustering to accurately generate labeled data based on observed trends with ~97% effectiveness
- Built a random forest model and tuned hyperparameters to predict employee turnover resulting in 99% accuracy and 95% F1-score
- **Technology Used:** Python, scikit-learn, SciPy, Statsmodels, seaborn, Matplotlib, pandas, NumPy, Jupyter Notebooks

Technical Skills

- **Programming Languages:** Python, SQL, R, MATLAB
- **Big Data Technologies & Frameworks:** Microsoft SQL Server, Spark, NLP
- **Other Tools and Technologies:** Tableau, Google Cloud, Git