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 - August 2024
Consumer Insights Data Analytics Externship
- Analyzed over 5,000 customer reviews using NLP for sentiment analysis influencing product development and branding strategies
- Developed interactive visualizations to present key insights to stakeholders and enhance decision-making processes
- **Technology Used:** Python, pandas, Matplotlib, Gemini AI

Hewlett-Packard Company (HP)   February 2024 - April 2024
Business Analytics Externship
- Conducted comprehensive market analysis on 50+ AI tech startups identifying 3 high-potential investment opportunities
- Developed detailed comparative reports on startup strategies and valuations to facilitate informed investment decisions
- **Technology Used:** Python, pandas, SQL, Matplotlib

Cognizant   January 2024 - February 2024
Artificial Intelligence Externship
- Prepared a machine learning pipeline automating data cleaning, model training, tuning, and visualization of performance metrics
- Delivered presentations of analytical findings to clients and cross-functional teams, improving understanding of AI solutions
- **Technology Used:** Python, XGBoost, GridSearchCV, pandas, NumPy, Matplotlib, Google Colab

Melvin Trading (Start Up), New York, NY   May 2022 - August 2022
Data Analyst
- Engineered a momentum-based algorithm that increased profitability by 8% when implemented with technical analysis strategies
- Implemented a data correction algorithm to automatically adjust for stock splits improving data accuracy by ~15%
- **Technology Used:** Python, pandas, NumPy, FinDiff, Requests, Polygon API, Matplotlib

Project Experience

Financial Statements Reader   December 2023 - March 2024
- Developed a computer vision and NLP pipeline to automate extraction of key financial data from 100,000+ complex images
- Engineered an NLP classifier with ~90% accuracy for page categorization, enhancing data organization and retrieval
- Enabled scalable storage and efficient querying of extracted data by integrating the pipeline with MS SQL Server
- **Technology Used:** Python, Google Cloud, Tesseract, OpenCV, PyMuPDF, Selenium, pandas, NumPy, SQL, SQL Server

Sailfort Motors HR Analytics Project   October 2023 - November 2023
- Analyzed HR data to identify key factors contributing to employee turnover, providing actionable insights to reduce employee churn
- Applied k-means clustering with 97% accuracy to segment employee profiles, uncovering patterns in features correlated to churn
- Enabled proactive retention strategies by developing a random forest model achieving 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, HTML, R, MATLAB
- **Big Data Technologies & Frameworks:** Microsoft SQL Server, MySQL, PostgreSQL, Spark
- **Other Tools and Technologies:** Tableau, Google Cloud, Git