Contact

www.linkedin.com/in/markpatrickjr
(LinkedIn)

Top Skills

Python (Programming Language)
Extract, Transform, Load (ETL)
Python

Languages

English (Native or Bilingual)

Certifications

Six Sigma Yellow Belt
Databricks Certified Machine
Learning Associate

Honors-Awards

All U.S.A. Bronze Scholar
National Engaged Leader Award
Presidents List
Presidential Scholar

Mark Patrick

Budding Data professional focused on continuous learning!
Ithaca, New York, United States

Summary

Through my work as a corporate Financial Analyst, I've gained
an appreciation for analytical methods and a strong interest
in technology, programming, statistical analysis, automation,
data manipulation, and visualizations. This led to my M.S. in
Analytics with Georgia Institute of Technology, vastly deepening my
understanding of the theory and development of Machine Learning
tools and advanced analytics methodologies.
Through a continued desire to explore, experience, and learn I've
completed many self-paced courses, traveled for an extended time
through Asia, and continued to be open to culture & experiences.
Always looking forward, I'm excited to analyze and explore all
options for my future!

Experience

Corning Incorporated
4 years 1 month

Machine Learning Engineer - Finance
June 2022 - Present (11 months)

Solving complex machine learning problems on manufacturing financial data
as an ML Engineer for the Finance Data Science & Intelligence team.
Project Responsibilities include:
· Creating Time-Series forecasting models covering financial data for the entire
company, including in-depth back testing and parameter tuning
· Maintaining hundreds of production models through MLFlow tracking
· Discovering new modelling opportunities through advanced exploratory data
analysis
· Developing robust data pipelines utilizing python, airflow, and Databricks
· Assisting the team in code optimization, documentation, and education on
best practices

**Rotational Analyst - Data Science & Intelligence / Data Analytics &
Reporting**
June 2021 - June 2022 (1 year 1 month)

· Utilized the Databricks platform for data pipelining, data engineering, EDA work, and MLFlow Model tracking
· Built out clustering models for customer segmentation & pricing analysis
· Built and maintained time series forecasting models on financial data using Python, Databricks, and MLFlow
· Wrote SQL queries to manipulate data from multiple datasources
· Developed internal training documentation, assisting team members get up to speed with Git, Python, Databricks, and other digital transformation technology
· Gained exposure to Terraform, AWS, Gitlab CICD, and infrastructure as code methodology

Rotational Analyst - Corning Optical Communications Division Analyst
June 2020 - June 2021 (1 year 1 month)
Charlotte, North Carolina, United States

· Utilized Power-query to develop reproducible automated processes to clean, parse, and store various dynamic text files into clean datasets, saving hours of work each month and creating a process covering the global division.
· Generated and manipulated excel files using python.
· Created a Power-query report handling the ETL process for commercial sales data.
· Performed regular monthly duties as a member of both FP&A Closing and FP&A Forecasting teams including structured journal entries, revenue/gross margin analysis, and report decks to leadership.
· Participated in various leadership development trainings and opportunities as a rotational analyst.

Rotational Analyst - Corning Life Sciences Manufacturing Plant
April 2019 - June 2020 (1 year 3 months)
Oneonta, New York

· Developed and maintained tools utilizing VBA and advance excel modeling to automate workflows and provide useful analyses, Including in-depth documentation to ease transition
· Fostered positive business partnership through continued process improvement in connection with others in the Plant, including IT, HR, Quality, and Operations. This involved creating macros, assisting with SQL server data issues, and providing ad-hoc excel tools to benefit my colleagues workflows.
· Attended multiple leadership trainings and practiced continuous leadership development with a mentor
· Utilized Peoplesoft to query data, including building and scheduling custom queries.

· Performed monthly responsibilities related to the accounting closing process, including processing
accruals, running department spend meetings, creating journal entries, and running financial reports
· Gained an understanding of manufacturing plant operations, both production and finance

Georgia Institute of Technology
Instructional Associate
August 2022 - Present (9 months)

Instructional Associate for ISYE6740, Computational Data Analytics, Through the M.S. Analytics program with Georgia Tech.
This position involves grading student submissions regarding advanced machine learning applications, as well as answering inquiries and running live office hours for over 200 students.

Corning Incorporated
Financial Analyst Intern - Analytical Services (Corporate FP&A)
January 2018 - August 2018 (8 months)
Corning, New York

· Optimized and automated Longview (Khalix) Excel reports for financial closing processes
· Partnered with external reporting and investor relations to ensure accuracy of publically disclosed
financial results in addition to verifying data used in reports to senior leadership
· Built an Excel spreadsheet and Power BI dashboard to track cost of quality across all Corning plants
· Assisted in the creation of a capital expenditure portfolio optimization model which serves as a project valuation tool to facilitate the decision-making process for all Corning plants

Children's Home of Jefferson County
Quality Assurance and Marketing Intern
May 2016 - August 2016 (4 months)
Watertown, New York

· Developed and managed three Excel dashboards containing advanced formulas to   allow departments to easily track youth information throughout the organization
· Created Facebook insight reports to analyze page interaction

· Built internal newsletters using Publisher to be sent out to the entire organization
· Tracked Donors and created donation reports using FundEZ

Jefferson Community College Center for Community Studies
Research Assistant
2015 - 2016 (1 year)
Watertown, New York

· Gathered and analyzed social and economic data used to identify community issues
· Performed single and multi-variable hypothesis testing
· Utilized Minitab to identify trends and interpret results from the studies

Samaritan Medical Center
Purchasing Assistant
July 2015 - August 2015 (2 months)
Watertown, New York

· Utilized Meditech information system to track inventory levels and vendors' financial data
· Developed and presented a training program to colleagues and supervisors on advanced Excel formulas, including logic formulas, lookups, and conditional formatting
· Built Excel spreadsheets used to track a $1M expansion project

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Education

Georgia Institute of Technology
Master of Science - MS, Analytics - Computational Track · (August 2020 - December 2022)

Clarkson University
Bachelor of Science - BS, Financial Information and Analysis · (2016 - December 2018)

City University of Hong Kong
Bachelor's, Finance · (2018 - 2018)

Jefferson Community College
Associate of Science (A.S.), Business Administration · (2013 - 2015)