Honpan Spencer Tse

Dallas, TX (Open to relocate) | spencertse122@gmail.com | (401) 433-8056 | Github | TableauPublic | Linkedin

Skills

Statistical: Python (Pandas, Numpy, scikit-learn, Scipy), Hive, Spark, Pyspark, Impala, SQL, Alteryx, VBA, R, SAS, advanced Excel
Visualization: Tableau, Bokeh, Streamlit, Pyviz, Matplotlib, Google Data Studio
Additional Tools: Bash, Git, Selenium, BeautifulSoup, Django, Flask, Javascript, HTML, CSS, Batch, Powershell

Experience

Vice President - Risk & Control Digital Transformation | Citi. *Dallas, TX*   *05.2022 - Present*

- Led and managed data driven process-reengineering, and legacy business system migrations for risk and control functions
- Run Machine Learning based Call Monitoring Pilot, doubled Telephone Consumer Protection Act (TCPA) violation discoveries, and remediated over $0.4M monetary errors; Uncovered over $1.9M/month TCPA violation risk with statistical forecasts
- Implemented proof-of-concept with OpenAI models (GPT, Whisper, etc.) in Citi environment, 3X call monitoring transcript quality
- Centralized Risk Monitoring Protocols through workflow automations with Atlassian APIs, increased monitoring automation rate by 10%
- Reduced code quality risk & increased scalability for business use cases through launch of low-code/no-code initiative, shortened SDLC time from ~5 months to ~2 months

  Main technology used: Python, Hive, Spark, Impala, Oracle SQL, Tableau, Bash, Batch, Git, Appian

Associate - Data Analytics and Automations | JPMorgan. *remote*   *10.2020 - 05.2022*

- Analytics and automation lead in a Corporate Investment Bank (CIB) Asset Servicing team of 40 people
- Transformed financial reconciliation logics for LATAM and EMEA trading market into data manipulation and ETL pipelines, processed up to ~$50MM per day, and automated 60% of the team's book of work.
- Built risk-monitoring dashboards for senior management, automatically flagged ad-hoc transaction breaks, and root cause analysis.
- Designed and architected end-to-end microservice style systems for analytics and RPA, reduced more than 100 hrs/month manual labor
- Created & managed a data repository of ~0.5TB transaction data, established data governance, collection, and usage policies

  Main technology used: Python, Tableau, Alteryx, Batch, Cognos SQL, VBA, Excel, UIPath

Python Instructor (Part-Time) | University of Pennsylvania. *Philadelphia, PA*   *09.2021 - 03.2022*

- Taught hands-on sessions for the Upenn LPS FinTech Bootcamp, topic covers programming, Machine Learning, NLP, etc. Guided over 30 students to launch more than 15 projects total; Students included senior management from Deloitte, UBS, and more.

  Main technology used: Python, Git, PostgreSQL, Solidity, AWS, IBM Watson

Senior Data Analyst | Athena Global Advisors. *Philadelphia, PA*   *01.2019 - 07.2020*

- Served as a management consultant for senior executives at a Fortune 30 telecom company and a leading Health System
- Drove c-suite level decision on daily basis through big data analysis on social media sentiment, on average covered over 4 Public Relations events per month of 50K-100K media mentions each
- Visualized attribution models for web app usages, campaigns, etc. Supported 3 teams across both technical and non-technical clients

  Main technology used: Python, Google Analytics, Brandwatch, Tableau, MS SQL, Azure, Bash, Git, Excel

Data Analyst E&P Portfolio | Petro Lotus Quantamental. *Boston, MA*   *08.2018 - 12.2018*

- Led all data analytics for an E&P (Oil production) stock portfolio; outperformed S&P 500 and E&P sector ETFs in risk-adjusted returns, with a Sharpe ratio over 2.0 (compare to S&P 500 at ~1.5), and hedged against the China trade war
- Successfully identified the best wells in all US basins with Machine Learning techniques based on petroleum engineering data (throughput rate, rock fracturing, permit…etc.), and consistently exposed drilling cycle interference between wells

  Main technology used: Python, Tableau, Excel

Data Specialist | University of Vermont Student Employment. *Burlington, VT*   *10.2013 - 05.2016*

- Increased job placements to over 90% through analyzing students' job hunting behaviors and school department spending cycles

  Main technology used: R, Excel (Pivot Table, Vlookups, custom functions)

Education

Vanderbilt University - Prompt Engineering Specialization Course, *expected April 2024*
University of Vermont - Bachelor of Finance, *Double Minor in Statistics and Economics.*

Certifications

Google Cloud - Generative AI Fundamentals
Databricks - Generative AI Fundamentals