Wanfei (Felicia) Luo

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SUMMARY:

- Highly motivated, adaptable Data Analytics graduate student with strong knowledge of analytical languages, such as Python (Pandas, Numpy, Seaborn, Scikit-Learn, Matplotlib, OpenCV EAST), R, SQL, and Tableau.
- Hands-on experience with AWS services, including creating materialized views in Redshift, managing S3 bucket, and building and deploying statistic models with SageMaker.

EDUCATION:

Master of Business and Science Rutgers University, New Brunswick NJ May 2020

- Concentration: Data Analytics

Bachelor of Arts Rutgers University, New Brunswick NJ May 2018

- Major: Economics Minor: Statistics

PROFESSIONAL EXPERIENCE

Next-gen Data Analyst Intern **Legg Mason, NYC, NY May 2019 to June 2020**

American investment management firm with a focus on worldwide asset management services.

- Assisted in building an AWS Redshift-based enterprise database system and integrate external data and internal data for improving pipeline operations.
- Built new managerial dashboards on Tableau (SQL-based) for product management team.
- Collaborated stakeholders for ad hoc reporting and fund net flow analytics using Python.
- Conducted routine reports on competitive pricing analysis using SAP BusinessObjects and excel for the US product team and fund board members.

Off-site Data Analyst Intern **Becton Dickinson, Franklin Lake, NJ Sep 2018 to Feb 2019**

Leading global provider of pharmaceutical devices and technology solutions.

- Transformed unstructured text-based T&E data using python for text mining and data visualization.
- Implemented natural language processing analysis to spot anomalous transactions using R.
- Developed applications to visualize anomalous T&E transactions by utilizing large structured and unstructured datasets.

SIGNIFICANT PROJECT

DICOM Image Classification for Teleradiology

- Cleaned the dataset, which consists ~27K DICOM files with different metadata attributes, for the purpose of cloud storage on AWS.
- Adopted deep learning based OpenCV East as the text extractor to capture the text locations and create bounding boxes on each image.
- Implemented a pre-trained CNN model to classify the six major types of ultrasound machine models.
- Implemented Multi-layer Perceptron as the classification algorithm structure to predict personally identifiable information (PII) points on the machine. The end-to-end model achieved a highest accuracy score of 0.9740.

ACHIEVEMENT / CERTIFICATION

- Treasurer, student organization of Master of Business and Science Jan 2019 to May 2020
- MBS Fellowship – 2020 academic year

REVEVENT CURSEWORK

- Applied Regression Analysis
- Database and Data Warehousing
- Python Methodologies
- Intro to Cloud & Big Data Systems
- Advanced Analytics& Practicum

SKILL

- Programming Language (Python, SAS, R, Shell Script)
- PostgreSQL
- AWS for Data Analytics (S3, Redshift, SageMaker)
- Tableau (Prep, Desktop, Server)