Wanfei (Felicia) Luo

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SUMMARY: Highly motivated, adaptable graduate student concentrated in Data Analytics with strong knowledge of analytical languages, such as Python (Pandas, Numpy, Seaborn, Scikit-Learn, Matplotlib, OpenCV EAST) R, SQL, and hands-on experience with AWS services (Redshift, S3, SageMaker), BusinessObjects, Oracle Database, and Tableau at work.

EDUCATION:

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

- Concentration: Data Analytics

Bachelor of Arts Rutgers University, New Brunswick NJ Graduation: May 2018

- Major: Economics
- Minor: Statistics

PROFESSIONAL EXPERIENCE

1-year 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.

- Liaised between IT and product team to build 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) by querying internal and competitive data from enterprise database and external sources to evaluate and monitor product performance.
- Collaborated stakeholders in Product for ad hoc reporting and fund net flow analytics using Python.
- Conducted monthly and quarterly reports on competitive pricing analysis using SAP BusinessObjects and excel for the US product team and fund board members.

Data Analyst Externship **Becton Dickinson, Franklin Lake, NJ Sep 2018 to Feb 2019**

Leading global provider of pharmaceutical devices and technology solutions.

- Cleaned 2-year text-based T&E (Travel and Expenses) data using python for text mining and data visualization.
- Conducted research and implemented ad hoc natural language processing analysis to help spot anomalous transactions using R.
- Visualized anomalous T&E transactions by utilizing large structured and unstructured datasets.

SIGNIFICANT PROJECT

DICOM Image Classification for Teleradiology

- Adopted deep learning based OpenCV East as the text extractor to capture the text locations and then created bounding boxes on each image.
- Implemented InceptionV3 as the pre-trained CNN model to identify ultrasound machine models. Implemented Multi-layer Perceptron as the classification algorithm structure to predict PII points.
- The end-to-end model achieved a highest accuracy score of 0.9740.

ACHIEVEMENT / CERTIFICATION:

- Treasurer, MBS student organization Jan 2019 to May 2020
- MBS Fellowship – 2020 academic year
- National Swimming Championship 2011-2012 (China) – silver medal in women's 100-meter butterfly