Summary:

* 2 years’ experience on independently developing machine learning projects and deployed to cloud platforms
* Managed projects on Kubernetes, package projects into Docker and use Git to control version
* Expert in different cloud platform, including AWS, Azure and google cloud platform.
* Expert in different Big data platform, such as Hadoop, Hive, Spark, Pig to manage different data sources
* 3 years’ python programmer focused on data analysis field
* Used scapy to collect data on certain website to prepare dataset before analysis
* Experienced in Machine learning package in Python, such as Numpy, Scikit-learn, Pandas, Matplotlib, Seaborn, Jupyter Notebook, etc.
* 3 years’ experience for managing database with MySQL and NoSQL database, such as MongoDB
* Expert in Excel and financial modeling with an expansive knowledge of Excel functions, including vlookup, index, pivot table, revolver, VBA, etc.
* Expert in financial database software, such as Bloomberg, FactSet, MorningStar and Thomas Reuter Eikon.
* Experienced in financial analysis for merge and acquisition or other company valuation and prized second in investment banking valuation competition
* Knowledgeable in corporate finance and valuation methods for other financial derivatives
* worked as teaching assistant in UT Dallas last 2 years in investment and financial modeling class for master students
* CFA level 2 candidate

Projects:

Job Title recommend system

* Collected raw data as company list, job posting list and O\*Net title list crawled by Python scapy.
* Created dataset by Jupyter notebook and stored dataset in AWS
* Developed a machine learning model using natural language processing and neural network to predict the target job title for H-1b candidate
* Deploy the service on AWS

Sentiment analysis of "Iron Man 3" by Hive and Tableau:

* Connected Hadoop to command line interface
* Imported raw data from Hadoop and created Hive table for calculating and storing sentiment of each tweet.
* Calculated the sentiment of each tweet based on polarity of word and location in Hue.
* Visualized the analytical findings of tweet in Tableau for specific sentiment of “Iron Man 3” in different location.

Acquisition analysis of Juno Therapeutics, Inc by Celgene Corporation as buy-side adviser:

* Evaluated the proposed acquisition of Juno Therapeutics, Inc by Celgene Corporation as buy-side adviser
* Estimated performance and prepared a fully integrated models for 10-year projections with emphasis on the deal rationale, synergies, cost saving, ratio analysis, quantitative factors, leverage etc.
* Built a fully integrated cash flow models for 5-year projections with the emphasis on the deal rationale, synergies, cost savings, ratio analysis, qualitative factors etc.
* Built a research report and pitched acquisition bid price range in front of industry professionals, finance professors