Junn Hei Jonathan Cho

MANAGEMENT ENGINEERING CANDIDATE

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Summary of Qualifications

- Adept Python Programmer with hands-on experience in data manipulation, visualization, Machine Learning and Deep Learning libraries strengthened by Data projects and work experience.
- Proficient Java Programmer with hands-on experience in Data Engineering in an agile environment.
- Hands-on-experience in data-basing tools like SQL and SAP HANA to extract useful insights.
- Developed applications from scratch with Node.js, MongoDB and REST APIs.

Relevant Experience

Developer, Data Analytics | The Home Depot   Jan 2018 - Apr 2018

- Established a system using Deep Learning libraries and Tableau to extract textual information in order to visualize trends in help desk tickets to reduce business reaction time to internal problems.
- Enhanced Java program that performs SQL queries to schedule the daily generation of 15 reports on Google BigQuery.
- Rectified 500K dollars of sales discrepancies by validating Google BigQuery data against the SAP BW database.
- Created a Python Script using Google Cloud SDK and Google Cloud API in Python to automate daily fetching of Google BigQuery table meta-data to support maintenance of jobs within the team.
- Strongly grasp concepts in software development and data-warehouse by testing 2 SAP HANA reports in all stages.

Research Assistant | University of Waterloo   Aug 2017 - Dec 2017

- Hand on experience with various Neural Network architectures such as LSTM, RNN, CNN, GAN and various Auto-encoders by testing models in libraries such as Tensorflow, Keras and Gensim.

Projects

Titanic Kaggle Data Project | 80% accuracy, placing top 10% in competition

- Utilized libraries like Pandas, scikit-learn and Seaborn to perform data engineering, visualization and analysis.

Basketball Data Project

- Collected data from using webscraping tools and performed data cleaning and mining using Pandas.
- Utilized statistical and graphical methods such as Chi-Squared Testing and Probability Density Functions to analyze correlations between key metrics of NBA players with all defensive team nominations.

Nutritional Label Web-App

- Utilized Python's OpenCV and PyTesseract libraries for text and image recognition and processing on nutritional labels.

VHRED ChatBot

- Built and designed a chatbot based on a neural network architecture from an academic paper using tensorflow.

EDUCATION	AWARDS/CERTIFICATES		INTERESTS
University of Waterloo	- Advanced Google Analytics	2017	- Data Science
Management Engineering			
Expected Apr 2021	- President's Research Award	2017	- Machine Learning/Deep Learning
Cumulative Average:			
84.45	- Dean's Honours List	2016	- All things Basketball