Junn Hei Jonathan CHO

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Summary of Skills

- Adept programmer with experience in Data Analysis, Machine Learning and Deep Learning Libraries. Experienced with working independently and on an Agile team.
- Highly motivated self-starter and always willing to learn new technologies and skills

Experience

Developer, Data Analytics | The Home Depot Canada **Jan 2018 – Apr 2018**

- Implemented a solution with Keras, Gensim and Tableau to extract textual information from 800+ daily tickets in order to predict trends of internal problems with close to 90% accuracy. Expected to improve business response to problems.
- Created Java and SQL logic to comprehensively track e-commerce order journey in 10 reports on Google BigQuery used to analyze sales and reduce inefficiencies in the order journey.
- Rectified 500,000 dollars of sales discrepancies by correcting existing SQL logic for reports. Validated against an SAP BW database.
- Produced a Python Script using Google Cloud API and SDK to automatically fetch daily Google BigQuery table Meta-Data. Used to monitor the integrity of data of these reporting tables.

Research Assistant | University of Waterloo **Aug 2017 – Dec 2017**

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

Education

Management Engineering BASc | University of Waterloo | Expected 2021

- Cumulative Average: 84.45

Projects

Titanic Kaggle Data Competition | Placed top 10% in competition

- Independently predicted Titanic passenger survival rate with 80% accuracy by performing data engineering, visualization and algorithm training using Pandas, SciKit-Learn and Seaborn.

Basketball Data Project

- Collected basketball data from websites using Beautiful Soup and performed data cleaning and mining using Pandas to extract insights and predict trends from data.
- Performed statistical analyses like Chi-Squared Testing and Probability Density Function to find correlations between NBA players' defensive statistics and All-Defensive team nominations.

Nutritional Label Reader

- Accurately extracted textual information from nutritional labels by processing images and text with OpenCV and PyTesseract.

Awards and Certifications

- Advanced Google Analytics 2017
- President's Scholarship of Distinction 2017
- Dean's Honour's List 2016

Interests

- Machine Learning
- Deep Learning
- All Things Basketball