Junn Hei Jonathan Cho

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Summary of Qualifications

- Developed an interactive dashboard that predicts risks to a 90% accuracy employing Machine Learning principles to aid the development of counter-measures within Home Depot
- Competency with Data Science and Statistical principles acquired through extensive dataset analyses and trend recognition in personal projects
- Knowledgeable about Data Migration processes through overseeing the injection of Home Depot's Data clusters from SAP BW into Google Cloud Platform

Relevant Experience

Research Assistant | University of Waterloo **Sept 2017 – Present**

- Implementing Multi-Task and Adversarial Learning in models for Amazon product suggestions
- Analyzed and tested various advanced models for Natural Language Processing like RNNs, Auto-encoders, variational techniques and word vectors

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

- Devised a model that included an LSTM and a feed-forward architecture in Keras that classifies help desk tickets based on content to predict risks with 90% accuracy
- Interactively visualized geographic and time data in Tableau to allow flexible data exploration
- Created SQL queries and contributed logic to Java backend to support sales analysis and order journey efficiency streamlining
- Rectified $500,000 of sales discrepancies by correcting SQL queries for reports by validating against an SAP BW database and participating in Scrum meetings

Education

Management Engineering B.ASc | University of Waterloo **Expected 2021**

- Awards: President's Scholarship of Distinction, Dean's Honour List
- Independently studied: Advanced Google Analytics, Data analysis, Machine Learning

Select Projects

Basketball Data Exploration Project **Feb 2018 – Mar 2018**

- Executed Data Mining using Pandas on Basketball Data collected with Beautiful Soup
- Performed statistical analyses like Chi-Squared Testing and confidence intervals to find correlations between NBA players' defensive statistics and perception of defensive skill

Titanic Kaggle Data Competition | Placed top 10% in competition **Jan 2018**

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

Nutritional Label Reader **March 2018**

- Accurately extracted textual information from nutritional labels with OpenCV and PyTesseract

Interests

- All things Basketball, Machine Learning, Cloud Computing Technologies