DANIEL LEE

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TECHNICAL SKILLS

- Python, Java, C/C++, C#, HTML5/CSS3, JavaScript, JQuery, AJAX, Node.js, Bootstrap4, React, Django, MongoDB, MySQL, MS SQL, NRQL
- Git, Atlassian, Vagrant, Junit, Bash/Shell, Ansible, Jupyter, Android Studio, PyCharm, Eclipse, VS Code, Visual Studio, ATOM

TECHNICAL WORK EXPERIENCE

DevOps Support Analyst Co-op, Canadian Tire Corporation, Calgary — Sep 2018 – Apr 2019

- Developed a license breaching alert to rectify team's dilatory controls of license overages by investing histories of spikes and analyzing logs
- Implemented regex queries to increase the accuracy of log pattern searching
- Assisted developers debugging scripts and performed user acceptance testing to assure optimal product qualities before deploying to the production environment
- Contributed to mini projects such as KPI reports and QA/testing, proposed dashboards and alerts standardization program to meet the growing demand of the service of the team
- Train an intern on the use of various internal tools and New Relic REST API calls

PEROSNAL PROJECTS

Iris Species Classifier — Jan 2020

- A self-guided machine learning project whose objective was to classify iris plants in a database into three species and predict a species for a given pair of width and length, written in Python
- Prepared, visualized and interpreted data to find meaningful features to build a binary classifier using Matplotlib, Seaborn, Numpy and Pandas libraries
- Compared the performance of different classification algorithms such as Logistic Regression, Softmax Regression, SVN, KNN and Decision Tree

AI Tic-Tac-Toe System — May – Sep 2019

- Developed an AI player that adapted pure Monte Carlo Tree Search algorithm to make the most likely winnable moves against a human player in Python3
- Implemented nested dictionaries to design the game algorithm in $O(n^2)$
- Successfully produced 100% win or draw rate against a smart human player at 300+ playouts per second

Airline Database System — Jan – Apr 2018

- Built a MS SQL database using given schemas, triggers, constraints to ensure accuracy and robustness of the database system
- Created a graphic user interface for users to create user profile, book flight and search flight schedules using Java Swing
- Implemented JDBC to connect to database and execute user queries from the interface

AWARDS & ACHIEVEMENTS

- New Relic Performance Pro — 2019
- Sumo Logic Power Admin (Level 1, 2, 3) — 2019

EDUCAITON

Bachelor of Applied Science - Major in Computer Science — Sep 2016 – Sep 2020
Simon Fraser University, Vancouver BC Canada