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, Sumo Logic, New Relic, Junit, Bash/Shell, Ansible, Rundeck, Zephyr, Splunk
- Learning: PHP, Azure, AWS, Kubernetes, Docker

TECHNICAL WORK EXPERIENCE

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

- Rectified team's dilatory controls of license overages by investing histories of log spikes and creating a breaching alert which allowed teams to plan any upcoming patches and updates in advance
- Increased the accuracy of log pattern searching by implementing regex queries which captured 30% more logs than using Sumo Logic anchor parsing
- Assisted debugging scripts and performing UAT to assure optimal product qualities within two days
- Contributed to KPI reports, QA/testing, and analytics dashboards and alerts standardization program to meet over 400% growing demand for services
- Trained an intern on various internal tools and New Relic REST API to improve work efficiency

TECHNICAL PROJECTS

Iris Species Classifier (personal) Jan 2020

- A self-guided machine learning project whose objective was to classify iris plants in a dataset into three species and predict a species for a given pair of width and length, written in Python
- Analyzed data to build a binary classifier by using Matplotlib, Seaborn, Numpy and Pandas libraries
- Compared the performance of different classification algorithms to choose the best prediction model by training each algorithm with training set, validation set, test set, and using scikit-learn library

Personal Website (personal) Sep 2019

- Created a static website to showcase projects and work experience in HTML5, CSS3 and JavaScript
- Implemented the UI and mobile-first responsiveness of the website using Bootstrap4 framework
- Adapted third-party libraries for custom features and animations of the website

AI TIC-TAC-TOE (academic) May – Sep 2019

- Developed an AI program that adapted pure Monte Carlo Tree Search algorithm to decide its moves against human players in Ptyhon3
- Designed the game algorithm by implementing nested dictionaries which resulted runtime in $O(n^2)$
- Produced 100% win or draw rate when simulating over 300 playouts per second for each move

AWARDS & ACHIEVEMENTS

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

EDUCATION

Simon Fraser University, Vancouver BC Canada Sep 2016 – Sep 2020

- Bachelor of Applied Science - Major in Computer Science