JANAHAN DHUSHENTHEN

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EDUCATION

The University of British Columbia   Sep 2017 – Apr 2022

Bachelor of Applied Science, Electrical Engineering   *Vancouver, BC*
Courses: Data Structures and Algorithms, Software Engineering, Computer Networks, Cybersecurity

EXPERIENCE

BlackBerry QNX   May 2021 – Aug 2021

Software Developer Co-op – C/C++, Salesforce, JIRA   *Ottawa, ON*
- Reproduced and debugged customer issues with the QNX Software Development Platform to resolve 20 Salesforce cases
- Presented within the organization, demonstrating Git and the QNX development process

Intel   Jan 2020 – Aug 2020

Silicon Validation Engineer Co-op – Python, Vue, Express, Node, MongoDB   *Vancouver, BC*
- Wrote Python scripts to automate the hardware tests on over 100 FPGA Emulation Platforms
- Created a webpage that displays the test results to help employees monitor system health
- Wrote Python scripts to automate the configuration of new power distribution units, allowing for quicker setup times

Statistics Canada   May 2019 – Aug 2019

Data Science and Machine Learning Co-op – R, Microsoft Azure   *Ottawa, ON*
- Developed a software package for internal use, implementing a variant of the CART algorithm
- Parallelized the package's tests on Azure Linux VMs to reduce their runtime by 75%

CAPREIT   May 2018 – Aug 2018

IT Summer Student – PowerShell, Excel, Active Directory   *Toronto, ON*
- Consolidated and cleansed the data in Active Directory for over 1000 employees

PROJECTS

MMA Fight Predictor *– Python, React, Flask, scikit-learn, pandas, Heroku*

jdhushenthen.github.io/mma-fight-predictor

Trained a random forest model on over 5000 fights to make UFC fight predictions with 94% accuracy

Elevator Simulation *– C++*

jdhushenthen.github.io/elevator-simulation-demo

Synchronized 3 child processes and 3 threads to simulate 2 elevators transporting passengers

SKILLS

- Languages: C/C++, Python, R, JavaScript, HTML, CSS
- Frameworks and Libraries: React, Vue, Express, Node, Flask, scikit-learn, pandas, numpy
- Tools: Git, Linux, MongoDB, Salesforce, JIRA, Excel, Heroku