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, Networks, Cybersecurity

EXPERIENCE

BlackBerry QNX May 2021 – Aug 2021

Software Developer Co-op – C/C++, Salesforce, JIRA *Remote*

- Reproduced and debugged customer issues with QNX's RTOS and hypervisor products to resolve 20 Salesforce cases
- Presented within the organization about Git, GitLab 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 process of configuring new power distribution units

Statistics Canada May 2019 – Aug 2019

Data Science and Machine Learning Co-op – R, Microsoft Azure *Ottawa, ON*

- Developed a software package in R, which implements a variant of the CART algorithm
- Parallelized the package's tests on Azure Linux VMs to reduce runtime by 75%

CAPREIT May 2018 – Aug 2018

IT Summer Student – PowerShell, Excel, Active Directory *Toronto, ON*

- Consolidated, updated and entered data into Active Directory for over 1000 employees

PROJECTS

UFC Fight Predictor – *Python, React, Flask, scikit-learn*

github.com/jdhushenthen/ufc-fight-predictor

Trained a random forest on over 5000 fights to make UFC fight predictions with 97.5% accuracy

Elevator Simulation – *C++*

github.com/jdhushenthen/elevator-simulation

Synchronized 3 processes and 5 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, SVN, Linux, MongoDB, Salesforce, JIRA, Excel