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Education

9/2013-present **University of Saskatchewan, Saskatchewan, SK, Canada**
- BA in Science, Computer Science. Coursework included entrepreneurship, human-computer interaction and design, artificial intelligence, data structures and concepts, oop, software engineering and design patterns, operating systems concepts, persuasion etc.
- HDPCA, Hortonworks certification for administrators who deploy and manage Hadoop clusters. Coursework includes installation, configuring, troubleshooting, availability and security.

Work Experience

5/2018-present **Software Research Lab-University of Saskatchewan: Software Developer**
- Involved in architect, design and maintaining Openstack environment infrastructure utilizing vagrant, ansible and compute canada.
- Expertise on Hadoop tools like Mapreduce, HiveQL, PIG and Sqoop, Yarn. Yarn log application troubleshooting and automated log configuration.
- Ansible script writing, with script being published in galaxy-ansible society for Apache-beam installation.
- Making UML from legacy unscripted c++ borlan code. Work involves concept location, impact analysis and testing.

5/2017-present **Speech Recognition** prof: Nathaniel Osgood. (Non-academic)
- Applying machine learning to record and capture the time and states of snoring and sneezing, development using Python and R to train machine to make the better prediction.
- Power spectral density is observed and HMM model is used to classify each state.
- Using Tensorflow CNN to do real time analysis on audio files.

1/2015-2/2017 **Franchisee Owner - College Pro Painters**
- Employed and maintained 9 student painters and 2 contractors to produce 88 jobs amounting to $180,000 in sales with a 90% satisfaction rate.
- Managed all aspects of the business including business setup, hiring marketing and operating staff, booking and estimating sales, taxes, payroll, material supply, maintaining cash flow, production managment, customer service, customer relations and interactions.

9/2017-1/2018 **SHERcoin** (Academic, CMPT 436: mobile and cloud computing)
- Programmed and test analysis of our own cryptocurrency. developed in python and used docker.
- Started with Ethereum platform, then moved to simple implementation of blockchain in Python for better understandability.

9/2017-1/2018 **Easyeats** (Academic, CMPT 370,470 : Advanced software engineering)
- An Android-based application for general users to browse restaurants, create reservations, view how busy a restaurant is at a given time, view menus, and view restaurant reviews
- Developed using Java and Android Studio, Firebase database and Google api for location
- Acted as the Team Lead in a team of five other members
- Incepted and implemented primarily using the Rational Unified Process

Skills
Coding: C/C++, Java, R, Python, PHP, JavaScript, HTML, CSS, Haskell, React-Redux, Verilog, MySql, Vagrant, Ansible, hadoop-cluster

Technologies/Environment: Windows, Win32API/GUI, Linux, MySQL, D3, TensorFlow/Pandas/sklearn, Android Studio

Leadership:
Having my own business has taught on how to become organized and communicate during on and off shifts. I have learned a lot about how workplace works and how to handle situations that needs to be handled right away. Responsibility and Leadership is a prime aspect of work which I have showed during my work status. An important part of my self-employment is to make sure I am always motivated and aware of my surroundings. I have had painters who looked up to me and this made me always think ahead**.**