Alice **Liu**

Data Analyst   👤 liualice.me   📞 226-988-4952   ✉ alice33liu@gmail.com

SKILLS

Programming: Python, R, Scala, C, C++, C#, Java, Bash
Big Data: Spark, Hive, Trifacta, SSIS, Google Cloud, BigQuery, QlikView
Database: OracleSQL, MySQL, PostgreSQL
Web: HTML, CSS, JavaScript
Tools/Software: TensorFlow, Jupyter Notebook, Hue, StreamSets, Micrcosoft Office

EXPERIENCE

FAIRVENTURES
DATA ANALYST   Jan 2019 - Apr 2019 | Kitchener, ON
Python, R, Shiny, StreamSets, Hue, Trifacta, Arcadia Data

- Implemented several different ways of text classification with Deep Learning models in **TensorFlow**
- Created a reactive **ShinyApp** to visualize insurance claims and various statistical analysis plots
- Developed an IoT PoC to perform computer vision analytics using **Raspberry Pi** and OpenCV
- Built data pipelines using **StreamSets** to load data into HDFS, and processed big data for analyses using Hive and Impala within **HUE** web interface

POINTCLICKCARE
BIG DATA DEVELOPER   May 2018 - Aug 2018 | Mississauga, ON
SSIS, Java, Selenium, T-SQL, JSON

- Wrapped a **Drools Rule Engine** into JSON format with over 200 rules to detect anomalies and frauds
- Automated End-to-End web application testing flows using **Selenium**, to remove manual regression tasks

BBM
DATA ANALYST   Sep 2017 - Dec 2017 | Kitchener, ON
Scala, Spark, HiveQL, Google Cloud, BigQuery, Airflow

- Built scalable **ETL data pipelines** to extract time series data from Google Cloud Storage, transform them using **Scala**, then load them to BigQuery for visualization
- Created DAG files using **Airflow** to execute the ETL jobs

BANK OF NOVA SCOTIA
PROGRAMMER ANALYST   Jan 2017 - Apr 2017 | Toronto, ON
Python, Oracle SQL, Java, Bash

- Generated data reports using **Oracle SQL** and transformed them by parsing strings based on key value pairs, and restructured unaligned strings in CSV files in **Python**

SOFTEK
FINANCIAL SOFTWARE DEVELOPER   May 2016 - Aug 2016 | Mississauga, ON
C#, WinForms, XML

- Developed a configuration for financial software in **C#** that allow users to view and modify the configuration settings

EDUCATION

UNIVERSITY OF WATERLOO
BACHELOR OF COMPUTING AND FINANCIAL MANAGEMENT
2015 - 2020

ACTIVITIES

Interests: Competitive Badminton, Basketball, Tennis, Swimming, Table Tennis, Violin