

Alice Liu

Data Analyst

👤 lualice.me

☎ 226-988-4952

✉ alic33liu@gmail.com

SKILLS

Programming: Scala, Python, C, C++, C#, Java, Bash, Scheme

Big Data: Spark, Hive, SSIS, Google Cloud, BigQuery, QlikView

Database: OracleSQL, MySQL, PostgreSQL

Web: HTML, CSS, JavaScript

Other: R, Airflow, Jenkins, Microsoft Office

EXPERIENCE

POINTCLICKCARE

BIG DATA DEVELOPER

May 2018 - Aug 2018 | Mississauga, ON

SSIS, Java, Selenium, T-SQL, JSON

- Built ETL processes using **SQL Server Integration Services** to generate business intelligence reports
- 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
- Migrated **HiveQL** queries on Hadoop MapReduce to **Spark** 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

PROJECTS

JOBMINER | CONUHACKS

JavaScript, HTML, CSS, Python, JSON

- Built a web application that uses Rabin-Karp string searching algorithm to match user's skills with the content of the job description to determine the user's job compatibility

EDUCATION

UNIVERSITY OF WATERLOO

BACHELOR OF COMPUTING AND FINANCIAL MANAGEMENT

2015 - 2020

ACTIVITIES

UWMCC Case Competition | Top 10 Finalists | March 2016

ETIC Club | Event Coordinator | 2016 - 2017

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