

Alice Liu

Data Analyst

👤 lualice.me

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SKILLS

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

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

Database: OracleSQL, MySQL, Microsoft SQL Server

Web: HTML, CSS, JavaScript

Tools/Software: TensorFlow, Jupyter Notebook, Hue, StreamSets, Tableau

EXPERIENCE

BCI

BUSINESS INTELLIGENCE ANALYST

Sept 2019 - Dec 2019 | Victoria, BC

R Studio, SQL Server, Tableau, Protege, Neo4j

- Analyzed and transformed data from various reporting environments such as **SQL Server**, **Excel** and developed **R** scripts to create financial reports
- Build interactive dashboards in **Tableau** to analyze data quality parameters and business operational costs
- Extended the enterprise knowledge graph, which includes data dictionary, data catalog, and business ontology in support of performance measures using **Protege**

FAIRVENTURES

DATA SCIENTIST

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

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

EDUCATION

UNIVERSITY OF WATERLOO

BACHELOR OF COMPUTING AND FINANCIAL MANAGEMENT

2015 - 2020

ACTIVITIES

Interests: Competitive Badminton, Basketball, Tennis, Boxing, Violin