ALICE LIU

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💼 EXPERIENCE

Scotiabank | Programmer Analyst

Jan 2017 - Apr 2017 | Toronto, ON

- Enhanced visibility of reports by parsing strings based on keywords, and restructuring unaligned strings in CSV files in **Python**
- Created Materialized Views on top of queries joining multiple tables to standardize foreign exchange rate in **Oracle SQL**
- Automated the metrics report generation process with **Bash** scripts, and modified **Java** software application to prevent erroneous reports that are produced by cronjobs

Softek | Financial Software Developer

May 2016 - Aug 2016 | Mississauga, ON

- Implemented argument parser to accept **XML** file, and applied its contents to the registry and file system on the local machine
- Developed a configuration for financial software in **C#** that allows users to view and modify the configuration settings
- Optimized the software with reduced redundant user information which resulted in a more efficient UI using **WinForms**

💼 PROJECTS

Jobminer - ConUHacks | 2016
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

Java Platform Game | 2015
Java, Design Patterns, Graph Theory

- Converted map coordinates to undirected graphs and implemented **Floyd-Warshall algorithm** to improve game efficiency
- Implemented collision detection, sound effects, tile sets, maps, and player sprite animations

SKILLS

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

Database: MySQL, Oracle SQL, XML

Web: HTML, CSS, JavaScript (jQuery)

Other: R, VBA

EDUCATION

Bachelor of Computing and Financial Management
University of Waterloo | 2015-2020

ACTIVITIES

UWMCC Case Competition Top 10 Finalists

March 2016| Waterloo

- Evaluated and quantitatively analyzed performance data and market data of Uber and its competitors to determine its market expansion strategy in China

ETIC Club | Event Coordinator

Sept 2016 - Present | Waterloo

- Planned and organized weekly economical discussion topic and contacted with guest speakers for over 50 active club members

Interests:

Competitive Badminton, Basketball, Tennis, Swimming, Table Tennis, Running, Violin