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OBJECTIVE:

Software engineer, who is solution-driven and multilingual, seeks a dynamic company, where my-in-depth knowledge of software development and tools will be maximized.

EDUCATION

September 2016 – April 2020

Bachelor of Applied Science Software Engineering (Co-op)

University of Ottawa, Ottawa, Ontario

•Dean's honor list fall 2017, 2018 and 2019 (**GPA 8.21/10**)

SKILLS

Mobile & Web Development

Java
Kotlin
Android SDK
XML
PHP
HTML5/CSS3

Software Development Methodologies

Agile methodology
Test Driven Development
Behaviour Driven Development

General Skills

User Interface Design
User Interface Analysis/ UX
MVP design pattern
OOP

Databases

SQL
SQLite
MySQL
PostgreSQL
Database design

Software Quality Assurance

Unit test
UI test
Scripting
Software automation using Slash framework and Jenkins

Data Communications and Networking

TCP/IP model
OSI model
IPv4/IPv6

Operating system

Windows
Linux/Unix
OS X

Other Computing Languages and Tools

C / C++ / C#
UML
Eclipse/ NetBeans
Git/ GitHub
Confluence/ Jira
Slack

PROJECTS

Stock Prediction Software

An application based on AI concepts and algorithms that will predict future stocks prices:

- Using supervised learning and deep-learning models.
- Exploring TensorFlow.
- Using stimulation of the dataset to display the results graphs.

RideShare App

Android application using Rest API, CI, Java and Kotlin. Users (drivers / riders) can:

- Sign in and sign up through the app.
- Search for rideshare across Canada from city A to city B.
- Post a ride and look for riders.
- Pay for the service and successfully connect to a driver.

Tip Calculator

Simple Android Tip calculator using Abstract data types,

- Allows the user to enter the bill amount, the number of people and tip percentage.
- Calculates a suggested tip in case the user is unsure.
- Sets up the currency and default tip percentage.

Olympic Games Database

Web application, that will display the database content of Games Organizing Committee (OCOG). It is implemented by:

- Using PHP, HTML/CSS to display the front-end content.
- Building relational database with SQL hosted on PostgreSQL server.

WORK EXPERIENCE

09/2019 – Present

Teaching Assistant (Python, and C programming courses)

09/2018 – 12/2018

University of Ottawa, Engineering Faculty, Ontario

- Led Lab and helped students understand numerous class concepts.
- Corrected assignments and conducted office hours to answer several questions.
- Responsible for creating a Python tool that will automate assignment corrections.

05/2019 – 08/2019

Software Integration Engineer (Co-op)

Ford Motor Company of Canada, Ottawa, Ontario

- Performed Software and Feature Level Testing on the connected vehicle platform.
- Responsible for executing, troubleshooting and issue isolation.
- Teamed with developers to; validate feature implementation and fix bugs.
- Implemented Test Automation (using Python).

01/2019 – 04/2019

Web Content Developer

University of Ottawa, Ontario

- Prepared content for publication to the web site.
- Designed user interface mockups.
- Researched and analyzed features to be implemented.

09/2018 – 12/2018

Software Developer Co-op (Android)

BlackBerry Messenger (BBM), Ottawa, Ontario

- Refactored the codebase and removed unused code.
- Corrected various bugs that might affect the user experience.
- Designed and developed advanced functionalities with the Android platform.
- Implemented UI and Unit tests for each functionality.

01/2018 – 04/2018

Software Automation Tester (Co-op)

Ford Motor Company of Canada, Ottawa, Ontario

- Developed and maintained automated test framework, tools and test scripts.
- Conducted code reviews with developers and testers.
- Interfaced with technical teams to determine the root cause of issues and validate fixes.

REFERENCES

Mr. Matthew Stephenson
Software Tester
Ford Motor Company of Canada
msteph75@ford.com

Systems Analyst
University of Ottawa
rkaram@uottawa.ca

Mrs. Rita Bou Saleh Karam