

JASON KWOK

EMAIL: jzskwok@uwaterloo.ca

WEBSITE: jasonkwok.ca

GITHUB: jasonkwok



SKILLS SUMMARY

LANGUAGES

C, C++, Java, JavaScript, PHP, SQL, Ruby, Python, Assembly, VHDL

FRAMEWORKS

Spring, React, Redux, Solr, Mocha, Jasmine, Mockito, JUnit, Laravel

TOOLS

Git, Docker, Jenkins, AWS, Bluemix, DB2, NPM, Travis CL, Cloud Foundry



WORK EXPERIENCE

IBM

Watson Financial Services
Toronto, Ontario
Sept 2018 - Dec 2018

SOFTWARE DEVELOPER

Developed new features in the AI-powered Watson Regulatory Compliance web application using **Spring, React, Redux, MySQL, DB2 and Bluemix**
Created new multi-threaded data pipelines to help manage and interpret client's regulation documents using **AWS S3's Cloud Object Storage**
Maintained high quality software through writing integration and unit tests using **Travis CL, Mocha, Mocikto, Jasmine, and JUnit**

TULIP RETAIL

Customer Relations Management
Toronto, Ontario
Jan 2018 - Apr 2018

FULL-STACK DEVELOPER

Implemented new CRM features in Tulip Mobile App releases that was shipped to retailers, which include Saks, Coach and Michael Kors
Built back-end Restful API endpoints by developing critical business logic using **PHP, MySQL, Ruby and AWS**
Redesigned a new search engine for a retailer's store associates and customers to improve efficiency and relevancy using **Apache Solr and PHP**

JAN KELLEY INCUBATOR

Prototype Development
Kitchener, Ontario
May 2017 - Aug 2017

APPLICATIONS DEVELOPER

Created an internal project management system to improve collaboration and efficiency for employees using **Laravel PHP, MySQL and JavaScript**
Prototyped web applications tools that aimed to help solve business's problems using **Laravel PHP and JavaScript**

SPIRIT OF MATH SCHOOL

Enrichment Program
Toronto, Ontario
Sept 2014 - June 2016

MATH ASSISTANT TEACHER

Teach and explain challenging math concepts to a class of 25 students in an after-school enrichment program
Communicated with parents regarding students' performance



PROJECTS

FILE COMPRESSION

July 2017 - Aug 2017

Created light-weight loseless file compression program using **Ruby**
Encodes and decodes text files using LZ77 algorithm

DATA TRANSFER

Jan 2018 - Apr 2018

Developed a **C** program with POSIX linux messaging queue that uses multi-processing/threading to transfer data in a producer and consumer situation

FLAPPY BIRD

Jan 2018 - Apr 2018

Recreated the game Flappy Bird using **Python** and a GUI library
Physics of rotation and gravity of the bird was included



EDUCATION

UNIVERSITY OF WATERLOO

Sept 2016 - May 2021

CANDIDATE FOR B.A.Sc. IN COMPUTER ENGINEERING

Courses: Data Structures and Algorithms, Operating Systems, Processors