

RICHARD MA

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maxiuyuan

Skills

LANGUAGES

C

C++

Java

Python

JavaScript

HTML/CSS

VBA

FRAMEWORKS AND TOOLS

Node.js

JQuery

Angular.js

Bootstrap

React.js

Docker

Android Studio

Git

Jenkins

Heroku

Firebase

Maven

Tomcat

Education

University of Waterloo

Candidate for BASc Computer

Engineering 2016- 2021

Interests

Basketball

Fashion/Streetwear

Food/Cooking

History

Hip-Hop

Video Games

Experience

Full-Stack Developer

Huang & Associates Analytics Inc.

Toronto, ON

Spring 2018

- Led development of external API using **Python** to allow users to access internal modeling, analytic and simulation tools for risk analytics platform
- Utilized **Python, SQL, Redis** to create and improve various features on the merchant platform
- Applied **AngularJS** to develop front-end controller and custom directives for digital insurance distribution platform
- Spearheaded front-end development for the digital insurance distribution platform

Programmer Analyst

Telus

Mississauga , ON

Fall 2017

- Research and development of utilizing **Docker Swarm** for continuous integration using **Maven, Git, Jenkins** and **Tomcat**
- Experienced working with several **Docker** components (commands and microservices management) to create **Docker images and containers**
- Developed Web applications that allowed Telus' clients to transfer data using **Angular, JQuery, HTML, CSS** and **Java**

Signal Systems Assistant

Metrolinx

Toronto, ON

Winter 2017

- Automated daily tasks such as Signal Delay reports and on-site audit reports using **VBA**
- Implemented energy and power management methods for Metrolinx owned Snow Clearing Devices to reduce energy use

Projects

MyLittleHelper

Node.js, Heroku

- A Facebook chatbot that sends weather and outfits that are weather appropriate. NBA stats and scores, and more features to be added

Feed-U (EngHacks 2018)

Node.js, Angular, HTML/CSS, MySQL, Google Maps API, Stlolib

- Web application that matches people who are looking to dine with others and recommends them restaurants according to their preference of food and distance of both parties

mAPPedout (ECHacks)

Javascript, HTML/CSS, Java, Firebase, Google Maps API

- Android and web application designed to let users create events/activities, look up, and join ones hosted by your peers
- Finished Top 5 in the event

CatSecure (EngHacks)

Javascript, Python, HTML/CSS

- Google Chrome plugin that enhances password security by implementing a live RSA encryption and decryption, as well as automatic password input

Hand gesture based puzzle game for android

Java

A "2048" based puzzle game with motion controls