

Clement Yuen

✉ clementchaoyuen@gmail.com
☎ (647) 285-3514

ccyuen
clementyuen

Skills

Languages

Java, Python, Node, SQL

Tools & Libraries

Git, AWS, React, Express, MongoDB, Jupyter, Keras, Kubernetes, Docker

Work Experience

IBM | Full Stack Developer

Toronto, ON

Node, React, MongoDB, Express, Kubernetes, Docker, IBM Cloud

Sep - Dec 2019

- Developed an end-to-end process for onboarding new customers using React, MobX, and Express; replacing the existing manual procedure and reducing average onboarding time by 76%
- Designed an Express API to protect customer data privacy using CryptoJS and Kubernetes Secrets
- Optimized MongoDB query times through Mongoose indexes and appropriate schema data types

Wawanesa Insurance | Full Stack Developer

Kitchener, ON

Python, TensorFlow, Keras, Jupyter, AWS

Jan - Apr 2019

- Implemented a TFRecord pipeline to increase throughput of retrieving car data from on-prem servers
- Experimented with CNN's using Keras and TensorFlow to develop a car accident damage classifier
- Researched model production integration tools to deliver recommendations to lab directors

TribalScale | Agile Test Engineer

Toronto, ON

Java, Espresso, Charles, Postman

Apr - Aug 2018

- Anchored an Apple TV project and created beta tests for a successful first release to the app store
- Developed an Espresso regression test suite written in Java, reducing manual test time completely
- Improved app network fault tolerance with exploratory testing of API calls with Charles and Postman

Flipp | Software Engineer in Test

Toronto, ON

MySQL, Jenkins, Cucumber, TestRail, SauceLabs

Sep - Dec 2017

- Led the first accessibility project making flyers fully accessible and navigable by WCAG 2.0 standards
- Assisted with the launch of Flipp's most successful Black Friday flyers with over 60,000 daily users
- Contributed towards a major codebase migration from Rails to React to improve performance

University of Waterloo | HoloLens Developer

Waterloo, ON

C#, Unity, HoloLens SDK

Jan - Apr 2017

- Directed an experiment with the HoloLens to use for the first time in a UWaterloo course (MTE 140)
 - Implemented VR A* visualization in Unity to demonstrate engineering education with MR technology
-

Projects

Math Rekog

Python, Keras, Jupyter

- Designed a CNN architecture around VGG19 with Keras to classify handwritten offline mathematical symbols as part of the CROHME dataset
-

Education

University of Waterloo

BASc in Computer Engineering

Sep 2016 – Jun 2021