Tate Cheng

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education

University of Waterloo
candidate for bachelor of computer science 2020

skills

Languages&framework
Python • C++ • Java
C • OOP • Flask
Keras • Selenium

Devops
Agile • Jira • Bitbucket
Bamboo • Artifactory
Ansible • Git models
Docker • Confluence

Languages
English • Cantonese
Mandarin

projects

RUHacks2018 🔗
Best Green(Money) Hack
Built Cocoa, a proactive budget financial app

ConuHack2018 🔗
First Place API Challenger Winner
Hackathon Overall Third Place Winner
Built Awesome sport, an automatic soccer game highlighter

YaleHack2017 🔗
Built Emotionji, a text emotion analyzer

experience

Software Developer
Bank of Montreal Financial Group
may 2019 - aug 2019

- Developed and implemented authentication and encryption for premise and Cloud Gemfire data grid's Client and Server in **C#** and **Java**
- Enhanced Gemfire Data Browser functionality to enable exporting thousand's or more row of data in JSON format
- Created a data provisioner for market stress data using **C#**,**Protobuf3** and an API for Market Risk Data

DevOps Engineer Intern
Bank of Montreal Financial Group
sept 2018 - dec 2018

- Developed and managed **Ansible Playbooks** to perform software configuration management
- Created and deployed an issue tracker related to server vulnerability issue using **Flask** and **jQuery**
- Developed control center configuration automation using **SikuliX**, **Selenium**, **Python**, and **Ansible**

Data Analyst Student Intern
Royal Bank of Canada
may 2018 - aug 2018

- Developed an automated test suite to verify correctness and presence of analytic data from RBC mobile app using **Python**, **Pandas**, **Android Studio**, **Google Analytics**, and **BigQuery**
- Utilized the analytic test automation suite to find analytic errors for the upcoming 2.0 release of the mobile app
- Assisted in repairing a fingerprint authentication issue on the mobile app

Machine Learning Research Assistant
Epiphany Asset Management (HK) Limited
may 2017 - july 2017

- Compared different machine learning algorithm models' performance such as **LSTM**, **gradient boosting regression**, and **hybrid ARIMA** using HSI's data within **Python**, utilizing **Pandas**, **NumPy**, **Keras** and **Sci-Kit Learn**