

Chun Kit Li

QA Analyst I | Varicent Software Inc.

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Skills

- ◆ **Computer Languages:** HTML/CSS, JavaScript, Python, Java, SQL, MATLAB, R, C++
- ◆ **Software Development:** Agile Development, Linux, Git, Jira

Work Experience

Varicent Software Inc.

Sept. 2021 - Present

QA Analyst I | Incentives - Client Team

- ◆ Execute and deliver critical hot-fixes for escalations and platinum client issues
- ◆ Identify client regression, risk impact, and report potential production risks
- ◆ Provide essential support for monthly major release cycles
- ◆ Validate **SQL** scripts through testing before execute to production environment
- ◆ Develop and maintain **Python** scripts to enhance automation testing efficiency
- ◆ Perform **Rest API** testing using **Postman** and custom **Python** scripts
- ◆ Interact efficiently with the development team, cloud team, and customer support team

The Education University of Hong Kong

Sept. - Dec. 2019

IT Intern | Office of the Chief Information Officer - Student Administration Team

- ◆ Transitioned the school system's data forms for over 13 500 users by using **Java**, **XML**, and **PL/SQL**
- ◆ Helped writing technical documentation for the new system for future developers
- ◆ Researched and developed methods to increase development efficiency

Projects

Reliable Data Transfer Protocol

Mar. 2021

- ◆ Used **Java** to implement **reliable data transfer protocol** between users via network emulator
- ◆ Used **DatagramSocket** class to establish UDP connections between users and the network emulator
- ◆ Implemented **Packet** class for users transfer data packets via UDP connections
 - ◆ Inherited **Serializable** class for **Packet** such that data packets can receive by user correctly
- ◆ Sender sends 30 packets to receiver and receiver will respond with acknowledgment messages
- ◆ Sender re-sends packet after a period of time if it does not receive the corresponding message
- ◆ Network emulator will discard packets/messages from both sender and receiver by a set probability
 - ◆ Inherited **Thread** class such that network emulator can be multithreading for sending and receiving

Socket Programming

Feb. 2021

- ◆ Used **Java** to implement client and server programs for client to push/pull files to server via **TCP** sockets
- ◆ Used **Socket** class to establish TCP connection between client and server
- ◆ Client establishes a persistent TCP connection and sends a random available local port number to server
- ◆ Server establishes a non-persistent TCP connection using that random available local port number to client
- ◆ Client pushes to/pulls from server via that non-persistent TCP connection

Education

University of Waterloo

Sept. 2016 - Jun. 2021

Honours Bachelor of Mathematics

- ◆ Major in Computational Mathematics and Statistics with Computing Minor
- ◆ **Relevant Coursework:** Object-Oriented Programming, Algorithms, Data Structures, Machine Learning, Databases, Networks and Distributed Computer Systems, Applied Cryptography