

# Kyle Kim

## Contact Info

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**Website:** [Kylekim.ca](http://Kylekim.ca)

## Education

**University of Toronto BSc**  
Computer Science Specialist  
September 2015 – June 2020

### Member of

- University of Toronto Computer Science Union
- University of Toronto Robot Association

### Relevant Courses

- Software design
- Probability with computer applications
- Software tools & System programming
- Introduction to Databases
- Programming on the web
- Operating systems
- Algorithm design & analysis

## Skills & Tools

- PYTHON
- JAVA
- NODE.JS
- REACT NATIVE
- VUEJS
- JAVASCRIPT
- HTML/CSS
- DOCKER
- GIT
- SHELL SCRIPT

## Languages

- Korean (Fluent)
- English (Fluent)

## Relevant Experience

### TECH SUPPORT & SOFTWARE DEVELOPER

2019-2020 March

#### University of Toronto, E.J Pratt library

- Using Python and PHP, implemented a PDF text query feature that returns the coordinates and the page number of all the instances of the queried text and the paragraph that contains the text within the PDF file.
- Created an isolated testing environment using VirtualBox for the library's digital asset management system to safely test and apply the changes without affecting the published system.
- Provided personalised support to the library visitors who experienced technical difficulties with the library's system.

### SOFTWARE DEVELOPER INTERN

2018-2019

#### IBM (Master Data Management)

- Worked on a microservice architecture based application that was used to automate the testing and deployment of the MDM product based on user-configurable test scenarios.
- Worked on back-end of the application using RESTful API, Java, and MongoDB. Improved reliability and functionality of the backend.
- Worked on front-end of the application using VueJS and Node.js. Improved the user experience and the functionality of the front-end of the application.
- Worked as part of a SCRUM team to effectively communicate and collaborate with other colleagues.
- Worked on various Devops tasks that involve docker, gradle, Nexus and shell scripting.

### SOFTWARE DEVELOPER

2014-2015

#### Earl Haig Secondary School

- Using Python and CSV, developed a software that keeps track of student's attendance records and analyzes collected data to determine how often each student participated in club activities.
- Provided a solution that has reduced the time of analyzing which clubs and students are active by 80%.
- Teachers and club admins' task of tracking each club activity has become more reliable and automated.

## Projects

- **Cyricept Solutions**  
Founding member of a startup company that aims to predict and prevent cardiovascular diseases. Developed a cross-platform mobile application using **React Native**.
- **BANDROID**  
Developed a web application that finds and buys tickets of nearby musical events using REST APIs, **MongoDB** and **Express.js**.
- **MARK CALCULATOR**  
Developed an **Android** app that collects students' received marks and calculated the mark that will be required to achieve a desired final grade.