

# Ryan Leung

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## TECHNICAL SKILLS

Java • Spring-Boot  
Node.js • JavaScript • TypeScript  
React • Redux • HTML • CSS  
Python • C • C++ • C#  
NoSQL • SQL • REST  
Kafka • Hadoop • Spark  
AWS • Google Cloud • Firebase  
Kubernetes • Docker • Ansible  
Unity • Swift • React-Native  
  
Git • Linux • Bash • Zsh • OpenAPI  
Agile Development • Jira

## EDUCATION

**BRITISH COLUMBIA  
INSTITUTE OF TECHNOLOGY**  
COMPUTER SYSTEMS TECHNOLOGY  
Expected Graduation: May 2022  
Vancouver, BC | GPA: 93%




**LANGARA COLLEGE**  
ASSOCIATE OF SCIENCE  
2018 | Vancouver, BC  
Algorithms and Data Structures  
Program Design  
Descriptive and Inferential Statistics  
Using Excel for Statistics

## LEADERSHIP

**STUDENT SET  
REPRESENTATIVE**  
BCIT STUDENT ASSOCIATION  
January 2020 - Present

**SUPERVISOR,  
SCREENING OFFICER**  
GARDAWORLD  
May 2017 - October 2019

## LINKS

Github:// [rleung1004](#)   
Personal:// [ryanleung.ca](#)   
LinkedIn:// [ryan-wk-leung](#) 

## EXPERIENCE



**GLOBAL RELAY | SOFTWARE ENGINEER INTERN (FULL STACK)**  
Jan 2021 - Aug 2021 | Vancouver, BC

- Developed a microservice parsing and processing 100k's of entries of import data from a SQL Server database, generating reports about Hadoop jobs, exposing REST API endpoints for clients to consume. Built with Spring-Boot.
- Developed a microservice for integrating an importing system responsible for batch processing billion's of records and 100 TB's of data and ingesting millions of records a day. Built with Spring-Boot.
- Developed a web application using React. Contributing to an internal component library, and creating custom hooks for better performance.
- Improved existing SQL queries to decrease page loading time to 1/10 the original loading time using key-set pagination for an infinite scrolling feature.


**INFOR | SOFTWARE ENGINEER IN TEST INTERN (QUALITY ASSURANCE)**  
May 2018 - Dec 2018 | Vancouver, BC

- Accomplished being a Scrum Master helping our team to communicate more effectively internally and externally.
- Participated in refactor of back-end architect improvements to reduce the latency by half the original time.
- Created a prototype React-Native mobile application for legacy application rebuild.



## PROJECTS

**SORTING VISUALIZER | WEBSITE  , GITHUB **  
August 2020 | Personal  
Technologies used: React, Redux, Javascript, HTML, CSS

- Built a React / Redux application for visualizing sorting algorithms.
- Implemented Bubble Sort, Merge Sort, Heap Sort, and Quick Sort.

**SUDOKU PUZZLE GAME | GITHUB **  
August 2020 | Personal  
Technologies used: Python, Pygame

- Built a Python application for an interactive Sudoku puzzle game.
- Implemented a backtracking algorithm to create and solve Sudoku puzzles.
- Created a GUI for users to interact/play the generated Sudoku puzzle as well as visualize the solving algorithm.

**Q-UP | WEBSITE  , GITHUB **  
April 2020 - May 2020 | Group  
Technologies used: Firebase, Express, React, Node.js, Algolia

- Q-Up is an online platform that lets customers "line up" virtually for their favorite local businesses.
- Built and deployed the FERN/MERN tech stack, implementing a REST API for our React.js web application.
- Heavily contributed in both Front-end and Back-end development.