

Ryan Leung

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TECHNICAL SKILLS

Proficient with:

JavaScript • TypeScript • Node.js
React • Redux • Python • Java
C • C++ • C# • HTML • CSS • SCSS
NoSQL • SQL • JUnit • Mockito
REST • Git • Linux • Bash • Jira
Agile Development

Familiar with:

Spring Boot • Unity • React-Native
JMeter • Swift • Kubernetes
Docker • Ansible • Vagrant

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

Jan 2021 - Present | Vancouver, BC

- Developed and maintained back-end REST API microservices using the Java Spring Boot framework.
- Developed and maintained a web application using the React framework.
- Proposed and implemented design patterns for better code composition and ease of testability.
- Improved existing SQL queries to decrease page loading time to 10% its original loading time.
- Implemented SQL mappers with an ORM framework for SQL execution.
- Utilized Carbon Five for database schema migration.

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.
- Collaborated with developers and product owners to formulate test scenarios.
- Implemented test automation using frameworks JUnit, Mockito, and JMeter.
- 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.