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%

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.