

Amos Ko

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Technical Skills

Languages: Java, JavaScript, C++, Python, SQL, HTML, CSS

Libraries/Tools/Frameworks: Node.js, React, Vue.js, Junit, Git, Docker, Salesforce, Cucumber

Work Experience

BC Cancer Research Centre

May 2022 – Aug 2022

Full Stack Developer Co-op

Vancouver, BC

- Developed a framework for the creation and execution of automated pipelines that processes medical images and patient data using Vue.js and Python.
- Implemented an advanced parameter input feature to allow researchers and physicians to construct digital twins within our application so they can formulate suitable and effective cancer treatments for patients
- Utilized behaviour-driven development techniques to develop automated test suites using Selenium and Cucumber, increasing code coverage by 100%.

Traction on Demand (Acquired by Salesforce)

Jan 2021 – Aug 2021

Software Developer Intern

Burnaby, BC

- Designed and implemented an appointment booking and management system for a large-scale patient health portal using HTML and JavaScript, resulting in a greatly improved user experience and flow
- Developed an intelligent and dynamic resource recommendation library that suggests various helpful resources to users based on their health profile, providing support and guidance to those who need it
- Demonstrated new features and recent development efforts of our team by giving technical demos to the client, boosting stakeholder relationship and engagement
- Wrote extensive unit and integration tests to increase total code coverage from 70% to over 90%

Projects

KoJobs - Website

June 2021 – Aug 2021

- Architected and developed an online job board using Node.js and React that caters to both job seekers and employers, allowing users to both apply to and post jobs
- Integrated the Salesforce REST API and utilized SOQL database queries to provide user management capabilities and storage/retrieval of data
- Provides users with the ability to create accounts and search for and apply to hundreds of jobs through the website

Hot Bot - GitHub

Aug 2020 - Sept 2020

- Created an application using Java and Selenium to automate the checkout process for items on supported sites, increasing checkout speeds by up to 75%
- Designed a GUI that allows users to create and edit billing profiles and save their data locally to their machine
- Performed user input validation and regression testing to maximize checkout success

Extracurriculars

Surrey Chinese Baptist Church

January 2022 – March 2022

Website Developer

- Automated the process of updating the website with the Sunday YouTube livestreams by making calls to the YouTube API
- Assisted in the development of the church's website by attending meetings and participating in code reviews

Software Systems Student Society

Director of Services

Oct 2019 – April 2020

- Developed and maintained the society website to create a sense of community within our program and provide online resources and information to students
- Attended meetings and engaged in event planning for our yearly hackathon that attracts over 100 participants

Education

Simon Fraser University

Bachelor of Science – Computing Science, Software Systems

Sept 2018 – Dec 2023 (Expected)

Burnaby, BC