

TECHNICAL SKILLS

- **Proficient:** Python, C++, React.js, HTML, CSS, JavaScript, TypeScript, Selenium, C, MySQL
- **Familiar:** Node.js, Google Cloud, Jest, Java, Azure

WORK EXPERIENCE

QA Analyst *Vecima Networks, Inc. Burnaby, BC, Canada* 05/2022 – 01/2023

- Designed test plans to cover all functional requirements for 30+ newly added features on the web platform
- Wrote over 20 integration tests using Pytest and Selenium to merge all regression and unit tests specific to the staging update, contributing to a flexible CI/CD pipeline for the company's web application
- Documented over 50 bug tickets on the company's Confluence page, providing vital information about the bug
- Developed a textbox to specify the vehicle tracking frequency from 5 to 60 seconds by modifying a JavaScript file to handle JSON data requests to the server to update the driving reports, helping customers tailor the report with their preferences
- Boosted 5+ release updates by performing end-to-end testing on the company's web/app portals in the production stage

Software Engineer Intern *Zeinsoft, Inc. Seoul, Korea* 07/2018 – 08/2018

- Tested an agent program and a Windows driver designed to intervene in the installation of undefined programs on PCs
- Executed dozens of unit tests covering all methods within the agent program in addition to 3 integration tests
- Developed C++ scripts for signal testing to validate the driver's accurate signal transmission to the agent program across 20 diverse environments, including 32, 64-bit processors and network configurations, ensuring compatibility under all conditions

TECHNICAL PROJECTS

SWE Resume Evaluator | Github 09/2023 – 01/2024

- Developed a machine learning model with Naive Bayes classifier in Python, frontend UI in React, API development with Express.js and Swagger, OAuth using Firebase, and CI/CD with Github Actions
- Led a team with 10 SFU students to develop a software-as-a-service(SaaS) web application that allows users to upload their resumes and evaluates their suitability for specific software engineering roles, including SWE, MLE, QA

P2PPy | Github 05/2023 - 09/2023

- Developed a Python messaging application with P2P protocols in a team of 5 SFU students
- Applied integrated OOP, Pipenv, and multi-threading techniques to implement CLI where users are allowed to send/receive encrypted messages using each RSA key pair and transfer files

Airbnb Search | Github 10/2022 – 12/2022

- Created a React web application that recommends the most suitable Airbnb accommodations for travelers in Vancouver
- Preprocessed region-specific Airbnb datasets and assigned weights with GeoPandas to apply user-defined filters

EXTRACURRICULAR ACTIVITIES

NewLeafNavi *Fall Hacks 2023(Hackathon)* 10/2023

- Built a React-based web application using Google Maps API and OpenAI API in a team of 5 SFU students
- Developed around 10 components and containers, refining the UI based on initial drafts

LEADERSHIP

Co-Founder / President *SFU OS(Open Source) Development Club* 09/2023 – Present

- Established an officially recognized student-led software development club at SFU boasting over 100 members
- Initiated 2 software projects, directing teams of 10+ SFU students by managing project pipelines from inception to completion
- Utilized Trello to manage tasks for 5 executive members, ensuring the club vitality through the coordination of monthly events and ongoing projects

EDUCATION

Bachelor of Science, Computing Science 09/2020 - Present

Simon Fraser University

- Dean's Honour Roll (2021)