

TECHNICAL SKILLS

- **Proficient:** Python, C++, React.js, HTML, CSS, JavaScript, TypeScript, C, MySQL
- **Familiar:** Express.js, Jest, Selenium, WireShark, Java

WORK EXPERIENCE

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| QA Analyst | <i>Vecima Networks, Inc. Burnaby, BC, Canada</i> | <i>05/2022 – 01/2023</i> |
| <ul style="list-style-type: none">● 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 | <i>Zeinsoft, Inc. Seoul, Korea</i> | <i>07/2018 – 08/2018</i> |
| <ul style="list-style-type: none">● 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

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| SWE Resume Evaluator Github | <i>09/2023 – 01/2024</i> |
| <ul style="list-style-type: none">● 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 | <i>05/2023 - 09/2023</i> |
| <ul style="list-style-type: none">● 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 | <i>10/2022 – 12/2022</i> |
| <ul style="list-style-type: none">● 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

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| NewLeafNavi | <i>Fall Hacks 2023(Hackathon)</i> | <i>10/2023</i> |
| <ul style="list-style-type: none">● 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

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| Co-Founder / President | <i>SFU OS(Open Source) Development Club</i> | <i>09/2023 – Present</i> |
| <ul style="list-style-type: none">● 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

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| Bachelor of Science, Computing Science | <i>09/2020 - Present</i> |
| Simon Fraser University | |
| <ul style="list-style-type: none">● Dean's Honour Roll (2021) | |