

# Jason Liu

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## EDUCATION

### University of Waterloo

Waterloo, ON

*Candidate for Bachelor of Applied Science in Computer Engineering, Honours, Co-op*

*Sept. 2022 - Present*

**Relevant Courses:** Algorithms & Data Structures, Digital Computers, Embedded Microprocessor Systems, Systems Programming & Concurrency

## TECHNICAL SKILLS

**Languages:** Python, C/C++, HTML, CSS, JavaScript

**Frameworks/Libraries:** Bootstrap, React.js

**Tools:** GitHub, Git, Visual Studio Code, Microsoft Office, Excel, Jira, PostgreSQL, DBeaver, Apache JMeter

## EXPERIENCE

### Software Quality Assurance Engineering Intern

May. 2024 - Aug. 2024

*AlertDriving*

*Toronto, ON*

- Utilized **Jira** to report, track and monitor application progress ensuring streamlined communication and productivity between QA, development, and BA teams to resolve application bugs promptly.
- Identified, documented, and **reported 150+ critical bugs** during manual and regression testing, providing detailed descriptions, reproducible steps, and screenshots to expedite development.
- Verified data accuracy and integrity in **PostgreSQL** databases using **DBeaver**, ensuring back-end processes align with application requirements.
- Simulated user interactions and populated test data using **Apache JMeter** providing realistic testing scenarios and ensuring comprehensive test coverage for application functionality.

### IT QA Assistant

Sept. 2023 - Dec. 2023

*Ontario Ministry of Education*

*Toronto, ON*

- Developed and implemented features and content of the EFIS 2.0 board user guide into a web page using **HTML** and **CSS**.
- Optimized web page loading using **HTML** and **JavaScript** resulting in a **95%** reduction in load times.
- Processed over **100+** user access requests and role updates in EFIS 2.0 software.
- Resolved **250+ IT-related issues** regarding the EFIS 2.0 software, resulting in a more streamlined experience for municipal, First Nations, and school board users.

### Data Processor

Jan. 2023 - Apr. 2023

*CHAT Insurance*

*Markham, ON*

- Organized **10+ loss run reports** in **Excel**, assigning producer codes to existing insurance policies.
- Processed and used critical thinking to match insurance premiums for **60+ policy changes, renewals, applications and cancellations** to upload to insurance companies.
- Provided **administrative support** to brokers to resolve client issues such as declined/missing credit card information or missing files.
- Troubleshooted and configured company VPN connection**; fixed error "Cannot allocate TUN/TAP dev dynamically," allowing for remote access to Power Broker software for employees.

## PROJECTS

### Personal Portfolio Website | *React.js, CSS*

May. 2024 - Present

- Developed a responsive and visually appealing portfolio website using **React.js** and **CSS**, ensuring seamless user experience across various devices.
- Implemented dark mode functionality with **React.js** and **CSS**, providing users with an alternative viewing option tailored to their preferences.
- Enhanced user engagement by integrating interactive features such as hover effects, smooth scrolling, and responsive animations, resulting in an intuitive and visually captivating navigation.

### Geesespotter | *C++, Visual Studio Code*

Nov. 2022

- Programmed a game in **C++** based off **Minesweeper** using **bitwise** and **bitshift** operations.