

# Matthew Leung

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University Of Waterloo  
Computer Engineering 2nd  
Year

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## SUMMARY

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- Experience using Python and Pytest framework from co-op term at Sony.
- Experience using Jenkins to run tests and schedule daily test runs from co-op term at Sony.
- Experience using Python and Django to create CRUD web apps from previous co-op term as a full stack developer.
- Experience using HTML, CSS, and Javascript to create functional and attractive webpages from previous co-op term as a full stack developer.
- Experience using Java and Selenium to automate front end UI tests from previous co-op term at Omnivex.
- Strong problem solving and programming skills, developed and proven by previous co-op terms.

## EXPERIENCE

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### **Sony Interactive Entertainment - Software Developer in Test Intern** **MAY 2022 — AUG 2022**

- Implemented script for automating test suite setup using pytest markers and directories of test scripts.
- Refactored part of test framework to enable running tests in multiple locales in the same test suite.
- Refactored a Page Object Model in the testing framework to be compatible with multiple locales.
- Worked with senior QA Engineer to implement script for reviewing regression results and prioritizing test failures.

### **Omnivex Corporation - Junior QA Engineer** **SEP 2021 — DEC 2021**

- Created a framework for writing automated front end UI tests for Omnivex Ink web app using Java and Selenium.
- Worked with a Senior QA Engineer to create framework for executing test cases and generating test suite reports.
- Automated complex actions for graphical drag and drop interfaces within the web app.
- Automated over 40 test cases which were previously manually executed.

### **Twin Toucans Inc - Full Stack Web Developer** **JAN 2021 — APR 2021**

- Developed a web app using Python and Django to assist in warehouse operations and customer order placement.
- Used HTML, CSS, JavaScript, and Bootstrap to create functional and attractive user interfaces for workers and customers.
- Integrated app with Stripe payment platform to issue invoices and receive customer payment.
- Increased warehouse operations efficiency by 30% and lowered error rates to 0.01%.

## RELEVANT PROJECTS

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### **About Me Website**

- Used HTML, CSS, and JavaScript to create a web page about myself.
- Hosted using GitHub Pages at: [m53leung.github.io/my-website-2](https://m53leung.github.io/my-website-2)

## EDUCATION

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### **University of Waterloo - Computer Engineering** **SEP 2020 — PRESENT**

*Candidate for Bachelor of Applied Science, Computer Engineering Co-op Program University of Waterloo, ON.*

Relevant Courses: Numerical Methods, Digital Computers, Algorithms & Data Structures, Electronic Circuits 1.