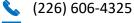
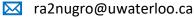
# Ray Adrian Nugroho

### Software Developer & QA Engineer

309B Bluevale St. N. Waterloo, ON N2J 4H6





## may-nugroho.github.io

#### **Technical Skills**

- Programming— Python, JavaScript, C/C++, HTML, CSS, Ruby on Rails
- Automation tools— Squish, Robot Framework, Selenium WebDriver, Playwright
- Technologies— SQL, Django, React, Angular, Terraform, Bootstrap, jQuery, Qt, Linux, Jenkins, TeamCity

#### **Work Experience**

#### **Quality Assurance Analyst**

NOV 2020 - PRESENT

Local Line Incorporated

Waterloo, Canada

- Used **Playwright** to develop automated regression tests from scratch for Local Line's web app.
- Performed a thorough manual testing that significantly reduces the number of critical bugs after release.
- Hosted a status page for Local Line's web app through Checkly's services.
- Developed a seed script to populate Local Line's preview environments with test data.
- Diagnosed, debugged, and fixed both critical and minor bugs on the app's frontend and backend.

Test Automation JAN 2019 – APR 2019

Christie Digital Systems

Waterloo, Canada

- Enhanced existing test processes with more automation by using **Python** and **Qt** to design a tool that queries the status of a projector periodically.
- Fixed bugs and refactored Squish test scripts to improve correctness, efficiency, and clarity.
- Executed automation tests, analyzed test results, and did defect investigation for the GUI of the projector.

Software Developer MAY 2018 – AUG 2018

Klashwerks

Ottawa, Canada

- Automated a regression test with Robot Framework to maintain the correct compatibility of Klashwerks' products and the on-board diagnostic.
- Developed unit and integration tests by using Google Test and Robot Framework.

Software Engineer APR 2017 – DEC 2017

Peraso Technologies

Toronto, Canada

- Developed a test script in JavaScript to emulate a long-distance signal travel using a 60G attenuator.
- Designed a unit test in C++ for a program that executes the finite-state machine.
- Built Python scripts to generate various dashboard graphs for showing performance test results.

#### **Side Projects**

#### Selenium Test Project (Python)

JUN 2020 – JUL 2020

Implemented functional tests for my personal website by using Selenium WebDriver with Python.

#### MessageMe Project (Ruby on Rails)

SEP 2020 - OCT 2020

Developed a chatroom where users can chat in real-time by using the WebSocket protocol.

#### **Education**

## **Bachelor of Mathematical Economics (with Computer Science Minor)** *University of Waterloo*

SEP 2014 - APR 2020

Waterloo, Canada

**Courses:** 

CS 246: Object-Oriented Software Development
CS 436: Network and Distributed Computer Systems

#### **Activities and Interests**

#### Online courses:

• Selenium WebDriver with Python 3.x

• The Complete Ruby on Rails Developer Course