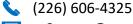
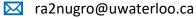
Ray Adrian Nugroho

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 API and browser app.
- Performed a thorough QA process that significantly reduces the number of critical bugs found after release.
- Developed a seed script to populate the preview virtual environment with test data.
- Diagnosed, debugged, and fixed both critical and minor bugs on the browser app.

JAN 2019 - APR 2019 **Test Automation**

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)

SEP 2014 - APR 2020

University of Waterloo

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