





Ray Adrian Nugroho

Software Developer & QA Engineer

 309B Bluevale St. N.
Waterloo, ON N2J 4H6
 (226) 606-4325
 ra2nugro@uwaterloo.ca
 ray-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.

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)

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