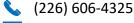
Ray Adrian Nugroho

Software Developer

328 Regina Street North Waterloo, ON N2J 3B7



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Technical Skills

- **Programming** Python, C/C++, HTML, CSS, JavaScript
- Automation tools— Squish, Robot Framework, Selenium WebDriver
- Technologies SQL, Git, Subversion, Qt, Linux, Jenkins, JIRA, TeamCity, Helix ALM, Unreal Engine

Work Experience

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.
- Implemented an API call method that clears logs in a Raspberry Pi.

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.
- Assembled test setups to check the interoperability of Peraso and WiGig products in a plugfest event.
- 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.

CS 115 Instructional Support Assistant

AUG 2016 - DEC 2016

University of Waterloo

Waterloo, Canada

Held weekly tutorials to provide Racket programming reviews for a class of 50 students.

Side Projects

Chess Project (C++)

NOV 2015 - DEC 2015

• Used the **observer pattern** to develop a chess game with a playable **AI** and save/load game features.

Selenium Test Project (Python)

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

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 338: Computer Application in Business: Database
- CS 234: Data Types and Structures
- CS 436: Network and Distributed Computer Systems

Activities and Interests

Online courses:

- Selenium WebDriver with Python 3.x
- Game development with Unreal Engine C++
- Web Developer Bootcamp (HTML, CSS, and JavaScript)