

Nameerah Razi

☎ 647-646-1459 ✉ rnameera@uwaterloo.ca 🌐 nameerahr.github.io  [Nameerah Razi](#)  [nameerahr](#)

SKILLS

- **Languages:** C/C++, Python, Java, JavaScript, HTML/CSS, PowerShell
- **Frameworks/Libraries:** Selenium, jQuery, JUnit, Robot Framework, Pytest
- **Tools:** Git, Perforce Helix Core, Kubectrl, Lens, Jenkins, Visual Studio Code, Eclipse

EXPERIENCE

Software Developer Intern

Jan. 2024 – Apr. 2024

Wind River

Ottawa, ON

- Developed a unified test runner capable of executing, consolidating, and reporting test results from both **Pytest** and **Robot Framework**, enhancing test execution efficiency and reporting capabilities.
- Designed and implemented a custom Pytest reporting tool to enable generation of test reports with step-by-step results, providing increased visibility into test execution flow and points of failure.
- Enhanced a **Jenkins** test automation pipeline by integrating Kubectrl and Helm installations, and resolving critical Chrome installation bugs on Linux, ensuring functionality of the pipeline for UI and CLI tests.

Firmware Developer

Jan. 2024 – Apr. 2024

UW Orbital

Waterloo, ON

- Implemented a driver to interface with a **LM75BD** temperature sensor over an I2C bus, along with a thermal management task responsible for periodic temperature measurement and telemetry transmission.
- Developed a logging module to ensure consistent handling of error codes and log messages across all software components, resulting in uniformed logging practices throughout the project.

Software QA Specialist

Sept. 2022 – Dec. 2022

OpenText

Richmond Hill, ON

- Developed a **PowerShell** tool to automate test environment setup/cleanup, including product deployment/configuration, for scheduled regression runs, improving test scenario reproducibility.
- Extended automation for cloud-based environment creation in VMware Lab using the **VMware PowerCLI**, to create/remove/modify vApps and VMs from the command line, boosting environment setup efficiency.
- Identified and updated 130+ outdated **Selenium** test cases written in **Java** following a major UI upgrade, resulting in enhanced test stability, increased use case coverage and accelerated QA testing.

PROJECTS

Audio Morpher 🎧 | C

- Developed a multi-threaded audio processing system, which uses the producer-consumer model for efficient audio task management and data exchange among multiple threads.
- Utilized **cURL** for managing HTTP requests/responses when fetching audio data from the **Freesound API**.
- Implemented functionalities including reversing, doubling, and halving the speed of audio data, before leveraging the **libsndfile** library to write the processed audio results to WAV files.

Book Vault 🎧 | Python, JavaScript, HTML, CSS

- Developed a dynamic book tracker web application to assist users in managing their reading materials.
- Utilized **Python** and **Flask** for the backend interaction with the user's library, stored in an **SQLite** database.
- Leveraged the **Open Library Search API** to offer users access to a wide collection of books they can search for, add to, and categorize in their library.

Banking System 🎧 | Java

- Developed a command line simulation of an online banking system.
- Retrieved and stored account data in JSON files, ensuring precise record-keeping and user activity tracking.
- Implemented functionality for account management, including account creation/deletion, login authentication, transaction processing, and access to credit accounts.

EDUCATION

University of Waterloo

Sept. 2021 – April 2026

Candidate for Bachelor of Applied Science in Computer Engineering

Waterloo, ON

- **Relevant Courses:** Algorithms and Data Structures, Systems Programming and Concurrency, Real-Time Operating Systems