

Wafi Hassan

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EDUCATION

University of Windsor

Bachelor of Science in Computer Science

Windsor, Ontario

Sept. 2021 – Dec 2025

- Relevant Courses: Object Oriented Programming, Computer Architecture, Systems Programming, Data Structures and Algorithms, Software Development, Computer Networks, Web Development
- Faculty of Science Dean's Honour Roll 2021

EXPERIENCE

Software Tester Intern

April 2025 – December 2025

Philips

Remote

- Returned for a second term with the Ultrasound Reacts SQA team, expanding a bit from the general manual testing tasks into automation QA
- Set up a local automation testing environment using JetBrains Rider, GitHub extensions, and cloned repositories to enable automated test script execution
- Executed manual test cases in TestRail for new and updated features, ensuring accurate coverage for sprint releases in Reacts Legacy
- Completed and closed UAT test cases in Jira, validating server enhancements and bug resolutions to ensure production readiness
- Developed and validated new unit and automation tests (**xUnit, C#**) for the Reacts-Nova-Server project, ensuring robust support for a newly added API roles and contributing code through PR workflow

Software Tester Intern

June 2024 – December 2024

Philips

Remote

- Working with the Ultrasound Reacts SQA (Software Quality Assurance) team conducting manual tests on the video conferencing app Reacts
- Utilizing TestRail to add tests to the staging test plan, creating and editing test cases, and executing manual tests on version being tested for release in the current sprint
- Collaborating closely with the SQA team, developers and product managers to understand new features and functionalities, and to provide timely feedback on potential issues, blockers, and bugs
- Documenting and reporting bugs using Jira which helped keep track of issues, bugs, improvements, and progress through the sprint
- Participating in daily stand-up meetings and sprint planning sessions with the dev team, providing critical testing insights to ensure continuous improvement and delivery of high-quality software
- Deployed server stack to staging environment on developer Git commits, ensuring timely and efficient integration using AWS services

PROJECTS

Machine Learning-Based Typing Speed Tester | *Python, Pandas, Scikit-learn, Joblib*

January 2025

- Developed an ML-based typing speed tester that evaluates user performance and offers personalized suggestions
- Utilized **Scikit-learn's RandomForestClassifier** to predict typing suggestions based on metrics like words per minute (WPM), accuracy, and error rate
- Built a user-friendly interface in Python that collects typing data, calculates performance metrics, and provides actionable feedback
- Trained the model using a dataset of user typing attempts and achieved an **accuracy rate of 85%** in providing relevant suggestions for improvement

TECHNICAL SKILLS

Languages: Java, Python, C#, JavaScript, HTML/CSS, PHP, Assembly

Frameworks/Libraries: React.js, Node.js, JUnit, PyGame, JSON, JFrame, Swing, Pandas, Scikit-learn, Joblib

Testing Tools: Github Extensions, VS Code, JetBrains Rider, PyCharm, IntelliJ, Eclipse, Jira, TestRail, xUnit

Version Control CI/CD: Git, GitHub

Databases: MySQL, SQLPlus