

# Yahya Thai

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## SKILLS

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Languages: Java, Python, C#/.NET, C, C++, Dart/Flutter, SQL, VBA for Excel, ARM Assembly

Web & Design: HTML, CSS, JavaScript, React.js, D3.js, XML

Tools: Git, Selenium, WebdriverIO, Apache Superset & Hadoop Framework, Jupyter Notebook, Microsoft Azure

## EXPERIENCE

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Manulife - Waterloo, ON

September 2020 – April 2021

*DevOps Engineer*

- Developed on automation testing frameworks such as Selenium and WebdriverIO, which were used to develop testing for 50+ internal websites, using Java and JavaScript respectively
- Collaborated in a team using Agile Methodologies with Atlassian Jira and Confluence
- Presented upcoming feature updates for our automation tools at demo events to 30+ internal stakeholders
- Supported the DevOps Intake Process Team to communicate and resolve internal end-user problems and strengthen end-user requirements for our automation testing frameworks

Guide Analytics Inc. - Waterloo, ON

July 2019 - September 2019

*Web Developer*

- Implemented Guide's first web application based on the open-source software Apache Superset
- Developed custom sentiment visualizations for large structured data through the use of HTML, CSS, and D3.js
- Designed SQL queries to access an SQLite database to visualize sentiment analysis data

Guide Analytics Inc. - Waterloo, ON

May 2019 - July 2019

*Data Scientist*

- Integrated and diagnosed raw data into the data pipeline by exploring, processing, and cleaning the dataset using Microsoft Excel, Jupyter Notebook, Pandas, and multiple NLP frameworks
- Conveyed key problems and solutions with internal stakeholders, speeding up development process 40% faster
- Developed and executed product test conditions for stability testing by translating business requirements

## COMPETITIONS & PERSONAL PROJECTS

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Hack the North – Waterloo, ON

September 2019

*Machine Learning Developer*

- Contributed to a Flutter project in a fast-paced team environment called SpeakNow which has two functions:
  - Obtained speech and converted it to sign language for the user
  - Integrated a cloud computing service called Microsoft Azure's Custom Vision AI to predict hand sign language from the camera feed and converted them to text

Swap DRC (Game Console Homebrew App) - Personal Project

June 2017 - August 2017

<https://github.com/yahya14/SwapDRC>

- Co-Developed a Nintendo Wii U App in C/C++ that redirects the graphics and audio between TV and gamepad
- Established as a highly popular program on the internet with over 80,000 global views

Octoslots (Game Console Modding Tool) - Personal Project

February 2017 - May 2017

<https://github.com/yahya14/octoslots>

- Developed with a research partner to create a GUI app using Microsoft .NET in C# that used open source libraries to edit a Nintendo Wii U game's real-time memory values to allow anyone play un-playable characters
- Well-received with 5 GitHub stars from the Homebrew Nintendo Wii U Community

## EDUCATION

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Wilfrid Laurier University

Waterloo, ON

*Bachelor of Science in Computer Science; 3.8 Major GPA*

Sept 2017 - June 2022

- Concentration in Big Data Systems; Minor in User Experience Design