

# Yahya Thai

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## SKILLS

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**Languages:** Java, Python, C, 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
- 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 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 in **C#** that used open source libraries to modify a Nintendo Wii U game's specific memory values in real-time
- 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*

June 2022

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