

# Yahya Thai

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## SKILLS

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**Languages:** Java, Python, C, C#, Dart, 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

September 2020 – April 2021

*DevOps Engineer*

- Developed on automation tools such as **Selenium** and **WebdriverIO** using JUnit and the BDD Framework
- Worked in an Agile team environment using **Atlassian Jira** and documented research using **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 tools.

### Gide Analytics Inc. Waterloo

July 2019 - September 2019

*Web Developer*

- Implemented Gide'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

### Gide Analytics Inc. Waterloo

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

### Wilfrid Laurier University

September 2019 – December 2019

*Teaching Assistant*

- Instructed students with laboratory assignments covering the "Introduction to Programming" course
- Graded **50+** students' work submissions based on professors' devised rubrics
- Proctored and instructed **100+** student candidates in the examination room

## COMPETITIONS & PERSONAL PROJECTS

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### Hack the North

September 2019

*Machine Learning Developer*

- Contributed to a team **Flutter** mobile project called SpeakNow which has two functions:
  - Obtained speech and converted it to sign language for the user
  - Used machine learning with **Microsoft Azure's Custom Vision AI** to predict hand sign language from the camera feed and converted it to text

### Nintendo Wii U App

July 2017

*Swap DRC*

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

## EDUCATION

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### Wilfrid Laurier University

Waterloo, ON

*Honours Bachelor of Science in Computer Science*

June 2022

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