

# Yahya Thai

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## SKILLS

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**Languages:** Java, Python, C, C++, C#, Dart, SQL, VBA for Excel, ARM Assembly

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

**Tools:** Git, Jira, Selenium, WebdriverIO, Jenkins, Apache Superset, Jupyter Notebook, Android Studio, Microsoft Azure

## EXPERIENCE

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### Manulife, Waterloo

September 2020 – Present

*DevOps Engineer*

- Develops on automation tools such as **Selenium Java** using JUnit and the BDD Framework, actively used by more than **10,000 users**
- Works in an Agile team environment using **Atlassian Jira** and **Confluence**, reducing workload by **25%**
- Works on various Jira stories ranging from features, bug fixes, POTs (proof of technology), documentation, etc.
- Presents upcoming feature updates for our automation tools at demo events to **30+ internal stakeholders**
- Applies maintenance to the team's **Jenkins** Pipelines

### 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 sentiment visualizations for large structured data through the use of **HTML, CSS, and React.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 the 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 the TV and gamepad
- Established as a top popular program on the internet with over **70,000 global views**

## EDUCATION

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### Wilfrid Laurier University

Waterloo, ON

*Honours Bachelor of Science in Computer Science*

Expected Graduation: April 2022

- Pursuing Concentration in Big Data Systems; Minor in UX Design