

# Yahya Thai

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## SKILLS

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

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

**Tools:** VSCode, Git, Jira, Figma, Apache Superset, Jupyter Notebook, Android Studio, Microsoft Azure

## EXPERIENCE

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### Web Developer | Gide Analytics Inc. Waterloo

July 2019 - September 2019

- 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

### Data Scientist | Gide Analytics Inc. Waterloo

May 2019 - July 2019

- 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 roughly 40% faster
- Developed and executed product test conditions for stability testing by translating business requirements

### Teaching Assistant | Wilfrid Laurier University

September 2019 – December 2019

- 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

### Computer Science Tutor | Private

January 2018 - Present

- Tutoring 15+ students in C, Java, Python, and VBA by providing assignment assistance and constructive feedback
- Mentor each student with an encouraging and positive personality to support their learning growth

## COMPETITIONS & PERSONAL PROJECTS

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### Machine Learning Developer | Hack the North

September 2019

- Contributed to a team Android project called SpeakNow which has two functions:
  - Obtains speech and converts it to sign language for the user
  - Uses machine learning to predict hand sign language from the camera feed and converts it to text
- Learned and implemented Microsoft Azure's Custom Vision AI to develop our own machine learning model

### Swap DRC

2017

- Co-Developed a Nintendo Wii U executable that redirects graphical gameplay and audio between the TV and the gamepad
- Established as a popular program on the internet with over 60,000 views
- Learned C/C++ and the use of system calls in a console system environment

### Lead Software Developer | Innocuity Technologies Group

September 2018 – December 2019

- Developed an Android application in Java with a team of developers that help students communicate with their classmates enrolled in the same courses
- Researched tools, alternatives, and strategies in order to help determining the best approach for team development

## EDUCATION

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### Wilfrid Laurier University

Waterloo, ON

Honours Bachelor of Science in Computer Science

Expected Graduation: August 2021

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