

# Yahya Thai

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## SKILLS

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- Languages: ARM Assembly, C, C++, C#, Java, JavaScript, Python, SQL, VBA for Excel
- Tools: Virtual Box, Git, Flask, Apache Superset, Jupyter Notebook, Android Studio, Microsoft Azure, Unity

## EXPERIENCE

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### Teaching Assistant | *Wilfrid Laurier University* Sept 2019 - Present

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

### Web Developer | *Gide Analytics Inc. Waterloo* July 2019 - Sept 2019

- Deployed website from the staging local environment to the development server using Git and Bitbucket
- Designed SQL queries to access an SQLite database to visualize sentiment analysis data
- Collaborated with the visualization team to develop rich interactive graphics and data visualizations of large structured data in browser-friendly formats

### Data Scientist | *Gide Analytics Inc. Waterloo* May 2019 - July 2019

- Translated business requirements into test conditions for stability testing and subsequently executed test cases
- Coordinated with internal and external stakeholders in order to convey key messages and present progress
- Integrated and diagnosed raw data into the data pipeline by exploring, processing, and cleansing the dataset using Jupyter Notebook and visualization libraries

### Computer Science Tutor | *Private* Jan 2018 - Present

- Tutored 10+ students in multiple computer science courses with homework guidance and constructive feedback
- Mentored each student with an encouraging and positive personality to support their learning growth

## PROJECTS & COMPETITIONS

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### Machine Learning Developer | *Hack the North* Sept 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

### Design and Development | *UWEnergyHacks* Jun 2019

- Designed the project's logo and branding using photoshop
- Developed a 3D snake game using Unity 3D

### Lead Software Developer | *Innocuity Technologies Group* Sept 2018 – December 2019

- Lead and manage software projects with teams of student developers
- Research new technologies and tools in order to improve existing projects

## EDUCATION

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### Wilfrid Laurier University | 2017 - 2021

Honours Bachelor of Science in Computer Science