Yahya Thai

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SKILLS

Technical Languages: Java, Python, C, C++, C#, SQL, VBA for Excel, ARM Assembly
Web & Design: HTML, CSS, JavaScript, React.js, JSON, XML
Tools: VSCode, Git, Apache Superset, Jupyter Notebook, Android Studio, Microsoft Azure

EXPERIENCE

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 personalized data 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

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 one of the most popular Wii U modification programs on the internet
- Learned C/C++ and the use of system calls in a console 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 who are enrolled in the same courses
- Researched tools, alternatives, and strategies in order to help determining the best approach for team development

EDUCATION

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