Yahya Thai

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SKILLS

Languages: Java, Python, C, C#, C++, Dart/Flutter, 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

Manulife - Waterloo, ON   September 2020 – April 2021
DevOps Engineer
- Developed on automation testing frameworks such as Selenium and WebdriverIO, which were used to develop testing for 50+ internal websites
- Collaborated in a team using Agile Methodologies with Atlassian Jira and 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 testing frameworks

Gide Analytics Inc. - Waterloo, ON   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, ON   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

COMPETITIONS & PERSONAL PROJECTS

Hack the North – Waterloo, ON   September 2019
Machine Learning Developer
- Contributed to a Flutter project in a fast-paced team environment 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 them to text

Swap DRC (Game Console Homebrew App) - Personal Project   June 2017 - August 2017
https://github.com/yahya14/SwapDRC
- Co-Developed a Nintendo Wii U App in C/C++ that redirects the graphics and audio between TV and gamepad
- Established as a highly popular program on the internet with over 80,000 global views

Octoslots (Game Console Modding Tool)   February 2017 - May 2017
https://github.com/yahya14/octoslots
- Developed with a research partner to create a GUI app in C# that used open source libraries to modify a Nintendo Wii U game's specific memory values in real-time
- Well-received with 5 GitHub stars from the Homebrew Nintendo Wii U Community

EDUCATION

Wilfrid Laurier University   Waterloo, ON
Bachelor of Science in Computer Science; 3.8 Major GPA   June 2022
  - Concentration in Big Data Systems; Minor in User Experience Design