Yahya Thai

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SKILLS

Languages: Java, Python, C#, C, C++, Dart/Flutter, SQL, HTML, CSS, JavaScript, VBA for Excel, ARM Assembly
Frameworks: .NET, Entity Framework Core, D3.js, Apache Superset & Hadoop Framework, Jupyter Notebook
Tools: Git, SQL Server Management Studio(SSMS), Selenium, WebdriverIO, Microsoft Azure,

EXPERIENCE

Software Developer   **August 2022 – Present**
Farm Mutual Re | Cambridge, ON
- Designed and developed internal **.NET** applications, microservices, and databases using **ASP.NET** Web API
- Produced SQL queries and migrations using ADO.NET, **Entity Framework**, LINQ, and Lambda expressions
- Experienced with data manipulation, ETL, logging, and creating strong integration tests
- Reported replicable bugs and bottlenecks with manual and complex use case testing

DevOps Engineer   **September 2020 – April 2021**
Manulife | Waterloo, ON
- Developed on automation testing frameworks such as **Selenium** and **WebdriverIO**, which were used to develop testing for **50**+ internal websites using **Java** and **JavaScript**
- Collaborated in a team using **Agile Methodologies** with Atlassian Jira and Confluence
- Participated to present upcoming feature updates for our automation tools at demo events to **30**+ internal stakeholders
- Supported the DevOps Intake Process Team to communicate and resolve internal end-user problems and strengthen end-user requirements for our automation testing frameworks

Web Developer   **July 2019 - September 2019**
Guide Analytics Inc. | Waterloo, ON
- Implemented Guide'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**
- Designed SQL queries to access an **SQLite** database to visualize sentiment analysis data

Data Scientist   **May 2019 - July 2019**
Guide Analytics Inc. | Waterloo, ON
- 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

Machine Learning Developer   **September 2019**
Hack the North | Waterloo, ON
- 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
    - Integrated a cloud computing service called **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)   **June 2017 - August 2017**
Github – Swap DRC
- 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**
Github - Octoslots
- Developed with a research partner to create a GUI app using **Microsoft .NET** in **C#** that used open source libraries to modify a Nintendo Wii U game's real-time memory values to allow anyone play un-playable characters and accessories
- Well-received with 5 GitHub stars from the Homebrew Nintendo Wii U Community

EDUCATION

Wilfrid Laurier University | B.Sc. in Computer Science; 3.8 Major GPA   **Waterloo, ON**
Concentration in Big Data Systems; Minor in User Experience Design   Sept 2017 - June 2022