Yahya Thai

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SKILLS

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

EXPERIENCE

Software Developer											**August 2022 – Present**
Farm Mutual Re | Cambridge, ON
<u>Internal Bridgeware Solution</u>
- Designed and developed a versatile internal **.NET** microservice using **ASP.NET** Web API
- Produced SQL queries and migrations using **ADO.NET** and **Entity Framework,** leveraging LINQ and Lambda expressions
- Improved data integration efficiency by 20% through **ETL processes**, **data manipulation**, and enhanced **logging** practices
- Reported and resolved bugs and bottlenecks through manual testing of complex use cases, improving system stability by 30%
- Created automated CI/CD pipelines in Azure DevOps, improving release efficiency and cutting deployment time by 50%
<u>Gateway Website Solution</u>
- Modernized a public gateway website using powerful frameworks such as **React.js**, **Next.js**, **Tailwind**, and **.NET 8**
- Introduced and wrote automated testing with **Jest** and **Microsoft Playwright**, enhancing front-end test coverage and code reliability

DevOps Engineer										**September 2020 – April 2021**
Manulife | Waterloo, ON
- Developed on **Selenium** and **WebdriverIO** testing frameworks, automating tests for 50+ websites using **Java** and **JavaScript**
- Collaborated in a team using **Agile Methodologies** with Atlassian Jira and Confluence
- Presented upcoming feature updates for our automation tools at the end of sprints to 30+ internal stakeholders
- Supported the DevOps Intake Team to resolve internal end-user issues and refine automation framework requirements

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 100,000 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