Arif Ashogbon

Major: Computer Science | Minor: Business Management
Email: aashogbon@gmail.com | Number: 289-788-9342

Skills

Tools: Git, Data Structures, GitHub, SQL, Web design, **Microsoft Office Suite, Object-oriented Programming, Pygame, React, Algorithms**, working with **APIs**.

Programming Languages: Proficient in **Python, HTML, CSS, JavaScript, Java, C**, familiar with **R**.

Interpersonal Skills: Empathic Listener and **Persuasive Speaker**, exceptional **Collaborative skills**, excellent capacity to retain new things, efficient **decision-making skills,** and **critical thinker.**

Relevant Coursework: Data Structure I & II, Mathematical Proofs and Logic, Discrete Math, Linear Algebra, Probability and Statistics, Advanced Calculus, **Microprocessors, Digital Electronics**

Personal Projects

Sorting Visualizer | *Link: **https://arifash.github.io/SortingVisualizer/*** *July 2020*
- Built a **react application** that visualizes **sorting algorithm**s. Implemented **Quick Sort, Merge Sort, Bubble Sort, and Insertion Sort.**
- Developed with **JavaScript, HTML, and CSS using Visual Studio Code** and a variety of **sorting algorithms with different space complexities.**

A* Pathfinder Visualizer | *Link: https://**github.com/ArifAsh/A-Pathfinder-Visualizer*** *June 2020*
- **Developed a UI** that allows you to add barriers, pick a **start node and an end node**. Implemented the **A* search algorithm** to find the shortest possible path.
- **Made with Python using the Eclipse IDE, best-first search algorithm, and python pygame module.**

Sudoku Game & Solver | *Link: https://**github.com/ArifAsh/Sudoku-GUI-Solver*** *May 2020*
- **Developed a UI** to play the game of sudoku and implemented the **backtracking algorithm** to solve any solvable board.
- **Made with Python using Eclipse IDE, pythons pygame module, and known algorithm**

Volunteer Experience

Certified Listeners *February 2021- Present*
- Working with **Acuity Scheduling** using the **API** customization to regulate the number the time slots a person can schedule a week and automate the scheduling of new members.
- Set up an emotional support help line using **amazons AWS connect system** and developed new **control flows**.

Extracurricular Experience

WLU PHI Society of Computer Science & Mathematics (Waterloo) Member *January 2020-Present*
- **Assisted** and **collaborated** with fellow computer science students to complete projects and build applications
- Successfully built a file **encoder** and **decoder** using the **Huffman algorithm.**

Artificial Intelligence Club *February 2021-Present*
- Attending events with **qualified professionals** in fields relevant to mine that expand my understanding of computer science and related fields.

Education and Certification

Candidate for Honours Bachelor of Science *Expected Date of Graduation: May 2023*
Wilfrid Laurier University, Waterloo, ON

Google IT Automation with Python by Coursera Certificate *May 2020*
Six-course certificate designed by google providing in-demand skills like **Python, Git, and IT automation.**