

Faiz Syahmi Zaini

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in /faizsyahmizaini

/squarebowl

A motivated computer science student with experience in front-end and back-end development, looking for spring insight and summer internship opportunities to gain more hands-on experience.

Education

University of Manchester

BSc (Hons) Computer Science (Human Computer Interaction)

Relevant Course Units: Programming in Python, Computer Architecture, Web Development, Data Structures and Algorithms, Psychology and Neuroscience

Sept 2022 – July 2025 (Expected)

Manchester, United Kingdom

Kolej Yayasan UEM

Cambridge International A Levels

Subjects (Grade Awarded): Mathematics (A*), Physics (A*), Chemistry (A*)

July 2020 – Jun 2022

Selangor, Malaysia

Experience

First Year Team Project

Front-End Developer

October 2022 – Present

- > Develop and maintain the project web application using HTML, CSS and JavaScript.
- > Collaborate with the front-end team to implement responsive design and improve user experience.
- > Co-ordinate with back-end development team using PHP and MySQL.

Projects

What2Wear?

HTML, CSS, JavaScript, PHP, MySQL, WeatherAPI.com API

October 2022 - Present

- > A website that provide a selection of top-to-toe outfit recommendations for the user to wear on a specific day.
- > Build a database to store each user clothing inventory and personal preferences, which will be matched to weather forecast API data on any given day to generate recommendations.
- > Conceptualise responsive design to ensure optimal viewing on all devices.

Maze Solver

Python

December 2022

- > Developed a Python algorithm code to determine the shortest path through any inputted maze of '0's and '1's (1 represents a wall that cannot be passed and 0 represents a navigable path that can be travelled).
- > Solved the complex task of solving mazes in Python using skills I learned at university and some independent research.

Name that Flag!

Python, tkinter GUI

November 2022

- > Created a quiz game using the tkinter GUI library in Python which challenges the player's knowledge with the flags of every country in the world by identifying them by name.
- > Included in-game features to maintain the player's engagement and keep them interested in the game.

Skills

Languages HTML, CSS, JavaScript, PHP, SQL

Operating Systems Windows, Linux (Ubuntu, Raspberry Pi OS), macOS

Developer Tools Git, Visual Studio Code, Jupyter, PyCharm, Microsoft Office Suite

Libraries tkinter, pandas, NumPy, Matplotlib