Mr. Homam Almofty

London, Uxbridge, Middlesex

Email Address: h.almofty@gmail.com **Personal Portfolio:** http://homamalmofty.info/

LinkedIn: https://www.linkedin.com/in/homam-almofty/ **GitHub:** https://github.com/HomamAl

Skills:

- Analysing data using pandas in python and sort certain data into different data frames by cleaning, transforming, manipulating and analysing data and using data visualisation for it.
- Good understanding of **Java, Python, Django, Docker, and Kubernetes** and a basic understand of **C, C++ and C#.** Self-assured in setting up, handling and querying a database using **MySQL.**
- Designed and developed a few websites to complete my A level projects and created one website in my spare time using **HTML and CSS.**
- Excellent knowledge of most operating systems including **Windows, IOS, Android** and decent understanding of **Linux.**
- Complete knowledge of **Microsoft Office Suite** especially **Word, Excel, PowerPoint Access and Adobe Photoshop, Dreamweaver and Firework.**
- Good understanding of most traditional software development, object-oriented programming, **encapsulation, polymorphism, merge sort and bubble sort**. Also, have knowledge of project management methodologies such as **Waterfall, SCRUM and Agile.**
- Working in EE/BT has taught me how to **resolve problems** calmly by understanding my client's needs, especially when dealing with the device system issues.
- Proven ability of **thinking logically** to create a code that fits the purpose of the specification, proven by my group project and programming module at university.

Education:

Brunel University, Uxbridge, Middlesex   Sept. 2018 to June 2021

BSc (Hons) Computer Science

Year Three Modules	Year Two Modules	Year One Modules
Final Year Project	Group Project (A*)	Assignment 0 Group Project (A)
Advanced Topics	Algorithms & their Application (A)	Introductory Programming (A+)
Network Computing	Networks & Operating Systems (A)	Year 1 Group Project (A-)
Cyber Security	Software engineering (A)	Data & Information (B+)
Software Project Management	Usability engineering (B+)	Logic and Computation (C)

Douay Martyrs Catholic Sixth Form, Ickenham, Middlesex   Sept. 2016 to July 2018

A-levels	AS Level	BTEC
Arabic (A*)	Arabic (A*)	Information Technology (Distinction)
Design Technology (B)	Design Technology (C)	
Computer Science (B)		

Douay Martyrs Catholic School, Ickenham, Middlesex   Sept. 2014 to July 2016

11 **GCSEs**, A-C incl. Maths (B) and English (C)

Project Work

Zero Trust For Containers In Cloud Computing FYP: The project presents a study on the security issues related to cloud orchestrators, identifying and reviewing them for all combinations and providing a solution for them.

- Designed a system which demonstrated a working prototype of the cloud architecture.
- Built a system using container orchestrater tools and other cloud deployments to access my webserver when running the specific containers and POD's where multiple services are being run simultaneously.
- Implemented and created an online web server using the cloud orchestrators and deployments with the help of the design created so that the security issues can be tested and discovered from an actual presentation.
- Implemented an automation of the security test to test against the widespread vulnerabilities facing containers such as SQL Injection and Cross site scripting (XSS).

- Developed a test plan to evaluate how effective the solution was against other implementations. This shows that the appropriate cloud deployments and cloud orchestrators were used for the application and host it.

Java Robotic Project: A university group project to code a robot so that it moves in a Zigzag line based on the user input and then retrace its movements after.

- This project further enhanced my leadership experience whilst improving my skills with Java
- Carried out research on using different patterns on the code integration, using a GUI rather than the console to improve on the prototype
- Designed a test plan and successfully implemented it to pick up any failures in the code
- Implemented the code on more than 1 class to make the program more efficient, enhance the success rate and also to help detect and handle errors easily
- Assembled a well detailed portfolio and a project report at the end

Internships & Other Work Experience:

EE Limited, United Kingdom, London

Customer Advisor/ Retail Analyst (Full time)   Jan 2021 to Present

Customer Advisor/ Junior IT Support (Full time)   June 2019 to Jan 2021

- My role required great flexibility and commitment towards number of hours and shift patterns worked.
- Organizing and analysing available data to support the store reporting and initiatives.
- Responsible for creating analysis, recommendations, and presentations to deliver to my manager and support the store initiatives and projects.
- Responsible for the set-up of the store products based on the product sales rate and popularity.
- Analysing the store daily footfall to predict a trend of the rush hours for the store and store movement.
- Providing the store with daily sales conversion based on footfall and staff productivity.

LUXREC Mobile Gaming Studio   Feb. 2021 to May 2021
Game Developer (Internship)

- To create and test various game play mechanics to submit to LUXREC for final approval.
- Generating game scripts and storyboards.
- To Implement a game functionality as per communicated agreed final design.
- Design, develop and deliver systems and high-quality code using programming languages for the game functions, such as C++ and C#.
- Data analysis of the gaming industry and the game analytics.
- Ensuring the best possible performance, code quality and responsiveness of the game, by debugging programs and solve complex technical problems that occur within the game's production.
- Collaborate with games development team members to meet the needs of a project.

Hillingdon hospital (NHS), United Kingdom, London   Apr. 2020 to Aug 2020
Data Quality Analyst (Internship)

- Worked in teams with different ages to meet our goal and solve problems.
- Microsoft Excel and data visualization to test and validate reports.
- The ability to analyse, model and interpret data. Which required Accuracy and attention to detail.
- The ability to plan work and meet deadlines.
- Performing initial analysis to assess the quality of the data.
- Performing further analysis to determine the meaning of the data.

Achievements & Interests:

- Awarded the 'Best Functioning Robot' for the work done by me and my group on our project
- Received the 'Best Interview by British Airways' certificate
- Certified with courses in areas of interest, such as ('Python for Data Science and AI by IBM, what is Data Science? and Introduction to Quantum Computing)
- Very active person who enjoys playing a variety of sports, especially football, playing with a range of different people. Currently learning to play Tennis and developing other different skills.