LAYTH ALHAKIM

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EDUCATION

Computing MSc: Computer Science, 09/2022 - 01/2024
Cardiff University - Cardiff - Merit
- Dissertation: Design and Development of an Intuitive Web-Based Genome Browser and Annotation Tool for Visualizing and Analyzing Genetic Data.

Medical Genetics BSc with Hons: Biological Sciences, 09/2018 - 07/2021
Queen Mary University of London - London - 2.1
- Dissertation: The distribution of uncongressed chromosomes and their effect on spindle pole movement.

A level, 09/2016 - 07/2018
The UCL Academy - London
- Mathematics (A), Biology (B), Chemistry (B), AS Psychology (B).

GCSEs, 09/2011 - 07/2016
St Augustine's C of E High School - London
- Mathematics (A), Biology (A), Chemistry (A), Physics (A), History (A), Religious Studies (A), English Literature (A), English Language (A), Psychology (B).

WORK HISTORY

Bar Staff, 12/2022 - 06/2023
Golf fang collective - Cardiff
- Conceptualized and delivered innovative cocktail menu revamp, introducing 10 new craft cocktails, resulting in a 15% revenue increase and a 10% growth in customer retention rate.
- Optimized inventory management processes by implementing data-driven forecasting tools, resulting in a 20% decrease in excess stock and a 15% increase in product availability during peak hours.

Bar Staff, 08/2018 - 08/2021
Wetherspoons - London
- Managed high-volume shifts serving over 200 customers, ensuring prompt and courteous service, resulting in consistently high customer satisfaction ratings.
- Developed and implemented strategies to streamline service processes, leading to a 20% increase in efficiency and reduced wait times for customers.

Medical programme volunteer, 06/2018 - 08/2018
PMGY - India
- Instructed over 500 community members in health and hygiene practices, contributing to improved community health outcomes.
- Contributed in the completion of construction projects aimed at enhancing healthcare infrastructure, benefiting local communities.

SKILLS

- **Languages**: Python, Java, JavaScript, SQL, R, HTML & CSS.
- **Tools**: Git, Visual Studio, MS Excel, Flask, React, MySQL/SQLite, Lucidchart, Figma, JIRA, Asana.
- **Non-technical**: Communication, adaptability, teamwork, problem-solving.

PROJECTS

- **Chromosome Distribution Research**
    - o Conducted research on chromosome distribution and its impact on spindle pole movement.
    - o Performed <u>data</u>, <u>image</u>, and <u>statistical analysis</u> using <u>MS Excel</u>, <u>ImageJ</u>, and <u>R</u> programming language.
- **Genome Browsing and Visualization Web Application**
    - o Developed a genome browsing, visualization, and analysis web application using <u>Flask</u>, <u>Python</u>, <u>MySQL</u>, <u>Bootstrap</u>, and <u>RESTful API</u>.
    - o Conducted <u>user testing</u> and gathered <u>requirements</u> to ensure optimal usability and accessibility.
- **To-Do List Web Application**
    - o Designed and implemented a basic web-based to-do list application.
    - o Utilized <u>HTML</u>, <u>CSS</u>, <u>JavaScript</u>, and <u>React</u> for development.
- **Pokédex and Who's that Pokémon? Quiz game.**
    - o Created a Pokédex application and a planned expansion of an accompanying quiz game.
    - o Implemented interactive features and engaging user interface design.
    - o Utilized the <u>PokéAPI</u>, <u>JavaScript</u>, <u>HTML</u>, and <u>CSS</u> for development.

CERTIFICATIONS AND LICENSES

- Understanding Autism Awareness and Diagnosis - Level 2.
- Paediatric First Aid - Level 3.
- Domestic Violence and Abuse Awareness – Level 2.

LANGUAGES

English

Native

Arabic

Fluent