
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)
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PROJECTS

ADDITIONAL INFORMATION AND PROJECT INSIGHTS AVAILABLE ON [WEBSITE](#)

- **Chromosome Distribution Research**
 - Conducted research on chromosome distribution and its impact on spindle pole movement
 - Performed data, image, and statistical analysis using MS Excel, ImageJ, and R resulting in actionable insights into cellular behavior.
- **Genome Browsing and Visualization Web Application**
 - Developed a genome browsing, visualization, and analysis web application using Flask, Python, MySQL, Bootstrap, and RESTful API
 - Conducted user testing and gathered requirements to ensure optimal usability and accessibility
- **Pokédex and Who's that Pokémon? Quiz game**
 - Created an interactive Pokédex application using PokéAPI, JavaScript, HTML, and CSS and a planned expansion of an accompanying quiz game to improve overall user interaction
 - Implemented interactive features and an engaging user interface design including individual Pokémon details and stats to enhance user engagement
- **To-Do List Application**
 - Designed and implemented a responsive web-based to-do list application using HTML, CSS, JavaScript, and React
 - Focused on improving task management efficiency through a user-friendly interface

SKILLS

- **Languages:** Python, Java, JavaScript, SQL, R, HTML & CSS
- **Tools:** Git, Visual Studio, MS Excel, Flask, React, DB Browser, Lucidchart, Figma, JIRA, Asana
- **Non-technical:** Project Management, communication, adaptability, teamwork

LANGUAGES

English: Native

Arabic: Fluent