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# LAYTH ALHAKIM

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**Website:** <https://layth-alhakim.netlify.app>

**GitHub:** <https://github.com/LaythBALA>

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## EDUCATION

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**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).

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## PROJECTS

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ADDITIONAL INFORMATION AND PROJECT INSIGHTS AVAILABLE ON MY [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 programming language.
- **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.
- **To-Do List Web Application**
  - Designed and implemented a basic web-based to-do list application.
  - Utilized HTML, CSS, JavaScript, and React for development.
- **Pokédex and Who's that Pokémon? Quiz game.**
  - Created a Pokédex application and a planned expansion of an accompanying quiz game.
  - Implemented interactive features and engaging user interface design.
  - Utilized the PokéAPI, JavaScript, HTML, and CSS for development.

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## SKILLS

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

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## WORK HISTORY

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**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.

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## CERTIFICATIONS AND LICENSES

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

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## LANGUAGES

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**English**

Native

**Arabic**

Fluent