Omar Wael Mahmoud

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EDUCATION

German University in Cairo — Cairo, Egypt
Bachelor of Science in Computer Science Engineering; GPA Grade: A- — *Oct. 2020 – Aug. 2025*

Nefertari British International Schools — Cairo, Egypt
Graduated IGCSE with High Honors; Grade: 99% — *Sep. 2017 – Aug. 2020*

EXPERIENCE

Paraguru LLC — Cairo
Social Media Moderator — *Aug 2022 - Present*

German University in Cairo — Cairo
Concepts of programming languages Junior Teaching Assistant — *Feb 2023 - May 2023*

German University in Cairo — Cairo
CS2 Junior Teaching Assistant — *Feb 2022 - Jun 2022*

PROJECTS

- **Database Management System (2023)**:
  - **Description**: This is a simple database management system that allows users to create, read, update, and delete data from a database. The database is implemented in java, and the data is serialized to the disk and deserialized whenever needed. This project was done within a team of five.
  - **Database Implementation**: Java
  - **Details**: github.com/AhmadHoseiny/DBProject.git

- **Fifa System (2022)**:
  - **Description**: A full stack database system designed to keep track of matches, stadiums, fans and their tickets. It serves multiple types of users: sports managers, club representatives, stadium managers, fans and admins. This project was done within a team of four.
  - **Database Implementation**: Mssql
  - **Frontend Implementation**: ASP.NET and C#
  - **Details**: github.com/o-wael/fifa-system

- **Marvel Ultimate War (2022)**:
  - **Description**: A full stack 2-player game where each player chooses his champions and they enter into a battle until a player kills the other player's champion. OOP principles were applied in this project. This project was done within a team of three.
  - **Backend Implementation**: Java
  - **Frontend Implementation**: Java Swing and Java AWT
  - **Details**: github.com/o-wael/marvel-ultimate-war

PROGRAMMING SKILLS

- **Java, HTML, CSS, Python, Javascript, C#, SQL, Prolog, Haskell, VHDL**

EXTRA-CURRICULAR ACTIVITIES

IEEE GUC Student Branch — Cairo
Software Engineering Member — *Oct 2022 - June 2023*

GUC-ULM Quantum Technology Conference — Cairo
Usher — *Dec 2022*

Tekeya Charity Kitchen — Zagazig
Volunteer — *Apr 2022*