Mayer Raoof Mourees Wesa

Computer Engineer

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Profile

Enthusiastic and motivated Computer Engineering student with a good understanding of programming, electronics, and computer systems. Eager to learn and grow within a dynamic and challenging environment. Adept at problem-solving and analytical thinking, with a keen interest in exploring emerging technologies.

Work History

AI Training Contributor, *Outlier AI*
Contributed to the development of AI models by training and refining code-based datasets using Python. Tasks included evaluating AI-generated Python code, providing corrections and improvements, and ensuring outputs adhered to high coding standards. Gained hands-on experience in prompt engineering, debugging, and writing optimized, clean code for machine learning applications.

12/2024 – present
Remote

Computer Engineer, *Orange Business*
In Orange Business Digital Bootcamp:
- I gained hands-on experience in Coding, Using Python, HTML, JavaScript, and Cascading Style Sheets (CSS).
- Developed practical skills in Database Management, Problem Solving, and MATLAB.

08/2024
Nasr City, Egypt

Engineering Intern, *Arab International Optronic*
- Learned to adapt to different work environments, project requirements, and challenges.
- Enhanced my ability to think critically and creatively to solve engineering problems

06/2024
Cairo, Egypt

Stellar Local Lead, *NASA Space Apps*
Organizing the event that is being held every year. This event targets innovators and improves their skills to make intelligent solutions for global problems

08/2021 – 10/2021
Assiut, Egypt

Team Leader, *STEM Assiut Community (SAC)*
SAC is a scientific and social community formed by STEM Assiut School students. It has organized numerous training courses and events aimed at showcasing the talents and capabilities of Egyptian youth.

07/2022 – 08/2023
Assiut, Egypt

Education

Bachelor's Degree / Computer Engineering, *The French University in Egypt* ↗
Got a fully funded scholarship based on high academic performance

2023 – 2027
Cairo, Egypt

High School, *Assiut STEM School*
Got a fully funded scholarship from the USAID to intensive study in Science, Technology, Engineering, and Mathematics fields.

2020 – 2023
Assiut, Egypt

Skills

Technical Skills
- Python
- C-Embedded
- Mathematics
- Coding
- MATLAB
- JavaScript
- PHP
- Database Management
- Problem-Solving

Soft Skills
- Communication
- Leadership
- Teamwork
- Adaptability

Languages

Arabic
C2

English
C1

French
A2

Projects

Hospital Management System — 09/2024 – 01/2025
Designed and implemented a comprehensive software solution for managing hospital operations, including patient records, appointments, and billing. Developed a relational database to ensure secure and efficient data storage and retrieval

Alert Eyes — 09/2022 – 01/2023
The project aims to use a prototype, comprising a box and an IoT system for data processing. We conducted three tests with strict safety measures, collecting extensive data. Analyzing the results, we aimed to establish the relationship between variables, providing deeper insights into the real threats of climate change on Earth.

Solar Purification — 02/2021 – 05/2022
The project addresses Egypt's water supply challenge by desalinating abundant saltwater using solar and natural gas heat sources. Its prototype includes a parabolic metal plate with reflective foil to focus sunlight, supported by wooden fixtures, a copper tube for water heating, and a condensing system.

Wireless Wearable Health Monitoring Device — 09/2024 – present
Developing a compact, wearable device designed to continuously monitor vital health parameters including heart rate, body temperature, and blood oxygen levels. The system is based on an ESP32 microcontroller with Bluetooth communication and features sensors such as the MAX30102 and MAX30205, along with Mobile Application developed using Flutter for real-time data visualization. The project emphasizes low power consumption, user comfort, and integration with mobile applications for remote health tracking and access healthcare provider to track their patients.