Omar Khaled Hassan

Engineering Student

🧍 Profile

Seeking an internship position in the field of Mechatronics engineering to gain practical experience and apply theoretical knowledge in a real-world setting

📰 Military Service Status

Final Exempted

🎓 Education

Mechatronics Engineering, Badr University in Cairo,
September 2020-July 2025 Cairo
CGPA: 3.6 , A-

✓ Projects

- **Smart home** (ARM)   **- Solar tracking**(LabVIEW)
- **Calculator** (AVR)   **-Hand tracking**(AI)
- **Face recognition** (AI)   **-Object detection by camera**(AI)
- **Fill tank** (PLC)   **-wash machine**(PLC)
- **Line for determining the path of boxes** (PLC)

💼 Internships

ENPPI (Engineering for the Petroleum and Process Industries), Cairo
July 2024-July 2024
-Materials selection for process units including corrosion allowance calculations. -Introduction to materials selection and requirements for sour service. -Introduction to calculation of catholic protection for offshore Jackets and pipelines. -Corrosion mitigation techniques including chemical injection & corrosion coatings. -Enppi scope as EPC contractor for turnkey projects. -Machinery scope in projects. And overview of machinery equipment. -Introduction to pump types, applications, and design. -Introduction to air compressor packages, types, and applications. -HVAC Principles Introduction to pressure vessels - types, components & mechanical design. -Introduction to storage tanks -Introduction to steam boilers

Technical Support at Chevron (Caltex), Giza.
August 2023-October 2023

Details

213 Elnarguis 3 5th settlement Cairo,
11835
Egypt
01144221922
omarkhono2003@gmail.com

Date of birth
01/11/2003
Cairo

Nationality
Egyptian

Driving license
B

Links
LinkedIn
https://www.linkedin.com/in/omar-khaled-ba335b21a
GitHub
https://github.com/Omarkh2021

Skills

Time Management
★★★★★

Teamwork
★★★★★

Critical thinking and problem solving
★★★★★

Decision Making
★★★★★

Ability to Work Under Pressure
★★★★★

I worked on analyzing oils, how to find the problem, ways to solve it, what oils are made of, and the difference between engine oil & transmission oil. I also learned about the mixing and packaging process in the factory, company policy, LEAN 6Segma and knowledge of departments within the company and sales operations, whether B2B or B2C.

Student At ITI (Information Technology Institute)

August 2023-September 2023

C Programming Language Embedded Systems Architecture, AVR Microcontroller Interfacing, Real Time Operating Systems. Automotive Bus Technologies, Embedded Systems Tooling, Software Testing Fundamentals.

Training Maintenance Engineer at ELSABA AUTOMOTIVE

August 2022- August 2022

I worked in rapid maintenance, fault detection equipment, air conditioning, refrigeration, motors, and a reception engineer

Training Student at EETC (Egyptian Electricity Transmission Company), Cairo

June 2022-July 2022

The components of transformers, electrical stations, transformers of practically devices and electronics were studied, and projects were made on them

Technical Assistant at EPRI (Egyptian Petroleum Research Institute), Cairo

July 2021-August 2021

(PVT analysis), is a technique used to determine the behavior of hydrocarbons under different pressure, volume, and temperature conditions. This analysis is essential in the oil and gas industry for reservoir engineering, production optimization, and facility design.

✓Courses

- **SolidWorks, ICG**
- **Automation, platinum group** (Authorized education center schneider electric)
- **Embedded system, Ahmed Abdelghfar**
- **LabVIEW, BUC**
- **English, British council**
- **HTML, Black horse**
- **Software Engineering, ALX**
- **AICE, ALX**
- **Professional Foundations, ALX**

communication
★★★★☆
Microsoft Office
★★★★★
Python
★★★★☆
C, C++
★★★★★
ROS1
★☆☆☆☆
MATLAB
★★★☆☆
presentation skills
★★★★★
Leadership
★★★★☆

Languages

English
★★★★★
Deutsch
★★☆☆☆

Hobbies

-Walking, Doing Fitness Sports
-Riding bicycle, Swimming.

Extra-curricular activities

HR at IEEE(BUC), Cairo

February 2021

Organizer At Volta (BUC), Cairo

October 2022

Organizer At Yoube (Cairo University), Cairo

July 2022

RTC, Nasr city

June 2018