

Omar Ahmed Zain

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Education

Faculty of Engineering Alexandria University

Alexandria, Egypt

Bachelor

Sept 2019 - june 2024

- Electromechanical Student
- Accumulative GPA: 3.36
- Graduation Project: Evaluation and Performance Development of Reverse Osmosis Water Desalination Plant
- Supervised By: Prof. Ihab Adam (Head of mechanical department) Eng. Sherif Hadara (Ex Petroleum Minister)

Riada International School

Alexandria, Egypt

Graduated

2010 - 2019

- IGCSE garduate with total of 96.5 percent

Work Experience

ECORD

Alexandria, Egypt

Junior Engineer

19 Aug 2024 - Present

- ECORD Enviromental Services is an engineering consultant office that is specialized in industrial waste water treatment.
- Developed detailed engineering drawings and specifications for water treatment plant components, ensuring compliance with industry standards and regulations.
- Analyzed wastewater characteristics to select appropriate treatment technologies, including electrocoagulation, filtration, and biological processes.
- Managed project timelines and budgets, ensuring successful completion of water treatment plant designs within scope.

Internships

Cargill

Alexandria, Egypt

Traniee Engineer

15 Jul 2021 - 18 Aug 2021

- Trained to follow up maintenance activities for all Cargill equipments such as (pneumatic and conveying systems) at Dekhila Port.

AMOC

Alexandria, Egypt

Traniee Engineer

17 Jul 2022 - 28 July 2022

- Inspect both mechanical and electrical equipment like (pumps and circuit breakers) on site to observe any malfunction and identify the problem.

Sidpec

Alexandria, Egypt

Traniee Engineer

31 Jul 2022 - 11 Aug 2022

- Worked with team of engineers to follow the schedule of maintenance of critical machinery (steam turbines)

Ethydco

Alexandria, Egypt

Traniee Engineer

4 Aug 2022 - 18 Aug 2022

- Developed code to alarm engineers using ladder and upload it on server, worked on PLC

Traniee Engineer

Alexandria, Egypt

Ameryah Cement

10 sept 2022 - 21 sept 2022

- Training focused on different maintenance strategies and worked on various fields such as vibration analysis and heavy equipment like cement mills.

University Projects

Motorcycle Suspension system

Alexandria, Egypt

Faculty Of Engineering

2022

- Manufacturing a motorcycle suspension system and calculating the appropriate stiffness and damping for the system by using Comsol software

Designing steam power plant operation conditions

Alexandria, Egypt

Faculty Of Engineering

2021

- Using EES software to obtain the optimum pressures, reheat pressures and number of feed-water heaters to obtain maximum efficiency for the steam power plant

Skills

Softwares SolidWorks, Simatic Manager, Arduino, EES, Comsol and Matlab

Soft Skills Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation.

Languages

Arabic Mother Language

English Native proficiency

French professional proficiency