

# Waseem Mohamed Abd Allatif

## Mechanical Engineer

Address: 10<sup>th</sup> of Ramadan, Al sharqia , Egypt | Phone: +20 1119641415 | Mail:waseem2020.wma@gmail.com

### Objective:

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Mechanical engineer with some experience with maintenance, teaching and Researching. High passion for learning and gaining experience, as the Knowledge is a never-ending sea. Motive to learn and grow in the distillation, desalination and renewable energy field.

Seeking the integrity of creating, analysis and manufacture new designs of different applications. Applying new technologies of manufacturing while creating new parts and creative ideas to keep designs as elegant and modern as possible.

### Education:

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#### Master of engineering

faculty of engineering - zagazig university

sept 2022- until now

Master of Science - Mechanical Engineering- power mechanical:

- First year with GPA 3.65
- Research Title : **“Optimization of a Combined Solar and Waste Heat Assisted-Membrane Distillation Unit ”**

#### Bachelor of Engineering

Sept 2016-June 2021

Faculty of engineering, Zagazig university

- Total grade is very good.
- Graduation Project: “An Investigation of Hybrid Propellant Rocket Motor”: We studied mathematical model of hybrid combustion between gaseous oxidizer and solid fuels, and evaluated parameters as velocity, pressure and temperature of burned gases by simulation programs as ANSYS.
- Graded with excellent.

### Core skills

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|------------------------|--------------------------|--------------------------|
| • SOLIDWORKS           | • ANSYS                  | • Research Fundamental   |
| • Engineering Drawings | • MS-Office              | • Writing skills         |
| • Engineering Design   | • Auto Cade              | • Team work skills       |
| • TRANSYS              | • Personal Communication | • problem -solving skils |

### Work experience:

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#### Teaching assistant

February 2022 – until now

Higher Technological Institute

Key responsibility:

- Teach undergrad mechanical engineering students.
- Simplify difficult subjects, to be easily understood.
- Evaluate students based on their activity at lectures.

Courses teaches:

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|--------------------|--------------------|
| 1- Power plants    | 3- Heat transfer   |
| 2- Turbo machinery | 4- Thermo dynamics |

5- Engineering drawing

6- SOLIDWORKS first and second level

## **Maintenance Engineer**

January 2023 – February 2023

Elyoser Company( El Arosa Tea ) / 10 TH of Ramadan, Egypt.

Key responsibility:

- Follow up the production line.
- Assisting the shift engineer in repairing faults and distributing technicians and workers to the production lines.

## **Training:**

### **Trainee**

Jul 2019 - Aug 2019

Techno project

Although I was a trainee, I quickly merged into the work team. I was able to build good relations with the engineers and workers, which prompted them all to inform me of every information they know.

### **Trainee**

Mechanic workshop / El Zagazig

I learned a lot from him. He did not skimp on information, so quickly I was dealing with customers and I saw all the parts of the car from the beginning of the engine until the brake system and the suspension system.

## **Volunteering**

### **Technical Engineer**

ZUFS Team

zagazig \ egypte

I worked on the engine committee

### **HR**

Zues Team

Jan 2018 - Feb 2019

Zagazig \ Egypt

During the year, in cooperation with others, we were able to develop the skills of volunteers and establish the values of cooperation and love between them And I made them work like family.

### **HR & Member of the Publicity Committee**

Resala team / Abu Kabier

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## **courses:**

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- Exams and Students' Assessment Systems: Faculties and Institutes of Higher Education.
  - National Authority for Quality and Accreditation of Education 4-5 / February /2024
- Teaching Strategies and Effective Learning Faculties and Institutes of Higher Education.
  - National Authority for Quality and Accreditation of Education 29-30 / January /2024
- Egyptian Knowledge Bank and Reference Management.
  - Training and Continuous Education Unit / Zagazig University 19-21 / August / 2023
- Scientific Writing and Avoiding Plagiarism.
  - Training and Continuous Education Unit / Zagazig University 19-21 / August / 2023

- Introduction to Ansys Fluent | CFD Simulation (Arabic)  
Mohammed Ashraf El shoura on Udemy April / **2021**
- Introduction To Principles Of Flight.  
○ Mohammed Ashraf El shoura on Udemy April / 2021
- From idea to company: an introduction to entrepreneurship.  
○ American University in Cairo January / **2020**
- Power Plants Summer Training.  
▪ multiserv training academy September / 2020
- Solar Systems.  
▪ multiserv training academy September / 2020
- Managing and organizing time and controlling pressure.  
○ Edraak Juley / 2019
- E-Marketing - Managing Paid Digital Campaigns.  
○ Edraak Juley / 2019
- ICDL.  
○ TeraCourses November / 2018
- Principles of human resource management.  
○ Edraak September / 2018

## Personal information:

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- Nationality: Egyptian
- place of birth: Kafer Horbiet - Abo Kabier -EL Sharqiyah
- Date of birth: 1/1/1998
- Marital status: married
- Gender: Male
- Language: Arabic(native), English (very good)
- Military service: Temporary exemption

## Hoppy and interest:

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- design renewable system with different programs to create a good project or just for fun.
- novel writing and reading books .