

# Omar Ashraf Mohamed Zaki

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**Military Service:** In Service

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## OBJECTIVE

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To join a staff of a well-established organization that aims to the Mechanical Power Engineering services scope including power and energy systems, hydraulic services, operations and maintenance services.

## EDUCATION

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### **Bachelor's degree in Mechanical Power Engineering, Ain Shams University**

Graduated in July 2022

Specialization grade: Very Good

Cumulative grade: Good

Graduation project grade: Excellent

## JOB EXPERIENCE

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### **El Tyseer Group – Mechanical Quality Engineer**

**(July 2020 – October 2020)**

Supervision of manufacturing, supplying and installation of Stainless Steel different products of handrails, laundries, tables and decorations.

### **ABS Co. for Courier & Freight Systems – Customer Service (July 2018 – October 2018)**

Managing of customer's complains, checking customer's data and determination the date of delivery with customers.

## ACADEMIC PROJECTS

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### **Graduation Project**

#### **Designing of the mechanical systems of New Blood Bank Building at Demerdash Hospital**

Project aimed for detailed designing, implementation and supervision for Fire Fighting system, HVAC system, Water Supply and Drainage systems. Project included site visits, contractor modification reviewal and workers' supervision.

### **Power Plant Project (2021-2022)**

Project aims to design, develop and select a Sustainable Energy sources and Water Solutions to The Developed Community for Desert Reclamation for 100,000 Feddans (El Moghra) region in Egypt using HOMER Pro Software.

### **Turbomachinery and Pipelines Project (2020-2021)**

Designing of Water Distribution Network, Pumping Station and Surge System using WANDA Software.

**Designing and manufacturing of a Small Wind Turbine Generator (SWTG) (2019 – 2020)**  
 Project aims to design and manufacture a wind turbine generator that should provide a certain power with specific designing across a specific limit of voltage. Generator worked successfully with an average power output equals to 40 Watt at 260 rpm.

## INTERNSHIPS & COURSES

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**Hydraulics & Electro Hydraulics Training Course at Egyptian German Technical Academy (EGTA) – Siemens Energy –Trainee** **August, 2021**  
 Learning hydraulic control circuits components, applications, failure causes and fixes and developing variable circuit solutions for each project.

**Arab Contractors (Diesel Engines Workshop) – Trainee** **August, 2020**  
 Familiarization of theoretical basics and technical procedures of Diesel Engines and its damages and failure causes and fixes, completed in 10 days at diesel engines maintenance workshop.

**Leaders Preparation Course – Resala Charity Organization** **August, 2018**  
 Studying of Leadership basics, Leader's Ethics, Culture Management and Strategic Planning for 3 Months.

## SKILLS

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### Languages

Arabic – Native.  
 English – Excellent (Speaking / Writing).  
 French – Fair (Writing).

### Technical Software

Revit MEP.  
 Microsoft Office.  
 Solidworks  
 Inventor  
 AutoCAD 2D

## ACTIVITIES

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**Resala Charity Organization – Clothes Sorting Activity** **(2016 – Present)**  
 Vice CEO of Quality & Development Committee 2022 – Present  
 Vice CEO of Central Teams Committee 2019 – 2021  
 Track Head of KESAA Day – one of the largest events 2019

**Coordinator & Representative – Faculty of Engineering** **(2018 – 2022)**  
 Managing and linking between teaching staff and students, facilitating students administrative work, discussion of all general issues related to students with College Administrative Board.

**ASU Racing Team** **(2020 – 2021)**  
 Vehicle Dynamics Engineer (Suspension – Rolling Chassis) – Design Team Member

**Student Union – Faculty of Engineering Ain Shams University** **(2019 – 2020)**

**MECA Student Activity** **(2018 – 2019)**  
 Public Relations Specialist