

Ahmed Hendawy

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Date of birth: 30/07/1996 **Nationality**: Egyptian

WORK EXPERIENCE

[15/12/2019 – Current] **University teaching assistant**

City: Cairo | **Country**: Egypt

- Instructing over eight courses such as Fluid Mechanics, Thermodynamics, Hydraulic Basics, Fundamentals of Material selection, Computer Aided Design and Mechanical Drawing.
- Training over 800 students on the Practical section, problem-solving and calculations.
- Customizing different methods of delivering content for over 1100 students with taking into account the variety of their learning capabilities.
- Managing the Quality coordination between the university board and the department since 2022

[18/11/2023 – Current] **Career Development Specialist**

University centre of career development - American University in Cairo

City: Cairo | **Country**: Egypt

- Conducting interactive workshops on job search techniques for over 150 students, leading to improved interview readiness and a notable increase in candidates securing interviews
- Conducting individual resume critique sessions with the students
- carrying out mock interviews with the students for their job interviews

[14/06/2023 – 10/09/2023] **University teaching assistant**

Technological Military College

City: cairo | **Country**: Egypt

- Instructing over 100 students with the Hydraulics course with the main basics and calculations
- Training over 100 students on the hydraulic kit and developed their abilities to assemble and connect the components of hydraulic circuits in the hydraulics lab

[03/2018 – 15/07/2019] **Power Transmission team Head**

Kafrelsheikh Racing Team

City: kafrelsheikh | **Country**: Egypt

- Redesigning and integrating the power transmission system with enhanced final drive ratio of 3.8:1 and overall weight reduction by 20%
- Redesigning the shifting system by replacing the mechanical shifter with an electrical shifter for more reliability
- Coordinating between Five team members for tasks and workflow
- Planning and reviewing the final system design to ensure alignment with the other 4 systems as a member of the committee during the design assembly process.
- Leading the evaluation of the bill of materials through collaboration, resulting in the implementation of standardized templates that improved data consistency across the documentation process.

[07/2018 – 11/2018] **Manufacturing Engineer**

kafrelsheikh Racing Team

City: kafrelsheikh | **Country:** Egypt

- Implementing the manufacturing process for the designed parts of each system
- Assembling the manufactured parts of the racing vehicle
- Testing the performance parameters of the vehicle to ensure its integrity and readiness for the competition

[05/12/2016 – 02/03/2018] **Power Transmission team Member**

Kafrelsheikh Racing Team

City: Kafrelsheikh | **Country:** Egypt

- Designing the differential system with taking into account safety, cost reduction and 70% of system's weight reduction
- Designing the shifting system with selecting mechanical shifter

EDUCATION AND TRAINING

[21/01/2024 – 18/04/2024] **Certified Professional Trainer**

American Chamber of Commerce in Egypt

City: Cairo | **Country:** Egypt |

[25/02/2022 – Current] **Preliminary of Master's Degree In Mechanical Power Engineering**

Kafr Ash-sheikh University

City: Kafr Ash-sheikh | **Country:** Egypt |

[09/2014 – 07/2019] **BACHELOR OF MECHANICAL POWER ENGINEERING**

kafrelsheikh University

City: Kafrelsheikh | **Country:** Egypt | | **Final grade:** Excellent with honor rank

Graduation project: Designing and manufacture a Formula one racing car (Grade : Excellent)

[20/07/2017 – 17/08/2017] **Trainee**

ELkhayal Auto

City: Tanta | **Country:** Egypt |

Training about the maintenance of different Vehicle parts.

[24/07/2016 – 04/08/2016] **Trainee**

Benhaa Electronics

City: Benhaa | **Country:** Egypt |

- CNC and Plastic injection machines
- Argon Welding /Spot Welding
- Introduction about air conditioning and refrigerating systems
- Pneumatic and hydraulic control

LANGUAGE SKILLS

Mother tongue(s): Arabic

Other language(s):

English

LISTENING C1 READING B2 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B2

German

LISTENING A1 **READING** A2 **WRITING** A1

SPOKEN PRODUCTION A1 **SPOKEN INTERACTION** A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- Good Communication skills from working as a power transmission head.
- Problem solving skills acquired through racing team and certified professional trainer's course
- Time management skills gained through working and organizing between more than one occupation at once
- Active listening skills gained through working with students as a career development specialist

JOB-RELATED SKILLS

Job-related skills

- Good Command of Solid-works, Matlab and Auto cad honed from my experience as a design at kafrelshiekh.Racing team
- Solid command of Microsoft Office products.