

Ziad Mohammed Zaki

Mechatronics Engineer

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A Mechatronics Engineer with a strong technical foundation and a growing expertise in tender engineering. With 6 months of hands-on experience in the tendering field, I excel in preparing competitive proposals, analyzing project requirements, communicating with team members and suppliers.

Work Experience

Tendering & Cost Estimation Engineer

(August 2024 – January 2025)

(Saudi company -> TOP TECH)

- Preparing and organizing technical files based on the requirements of the specification booklet.
- Calculating project costs and providing price quotations.
- Reviewing proposals to ensure they meet the competition requirements.
- Communicating with team members and suppliers.
- Documenting and managing technical files.
- Analyzing potential risks and proposing solutions.

Electrical Engineer Trainee

(July 2022 – September 2022)

(Misr Spinning and Weaving Company)

- I trained on winding motors and the steps for rewinding 3-phase motors.
- I learned about the components of electrical panels and some types of electrical breakers and pneumatic breakers.
- I did classic control wiring and design a lot of circuits and tasks.

Education

Mechatronics Engineering – Menoufia University

(October 2018 – July 2023)

GPA: 2.64, Grade: 75.5%

I studied many courses in Mechanical Engineering, Electrical Engineering, Control Engineering, and Computer Engineering such as CNC, Mechatronics Systems, Stress Analysis, Applied Machine Design, Mechanical Machine Elements, Accounting, Writing Technical Report and they are some Special Courses with Score:

Projects

Smart Firefighting Vehicle (Graduation Project): Excellent (A+)

The objectives of this project are to design and develop a smart firefighting vehicle that can assist firefighters in their tasks by providing them with a safer and more efficient way to fight fires.

Smart Home (On Proteus)

The aim of this project is to generate I2C driver to communicate with slave microcontroller and turn on or off DC Motor based on data that will be sent.

Skills

Preparing and organizing technical files

C Programming Language

Computer Organization

Microcontroller Peripherals

Basic Knowledge of PLC

Calculating project costs,

Data Structure and Algorithms,

Interfacing to PIC

Classic Control

C++

Tools

SolidWorks, Rhino, MS Office, Primavera, MPLAB IDE, Code Blocks, Visual Studio Code, Proteus, ECTS

Language

Arabic (Native)

English (Good)