

Ahmad Ayman Ryad

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Summery

Mechatronics engineer , interested in PLC programming and CAD,CAM .

Looking for opportunities in an impactful, professional, and cooperative environment which provides career growth.

Training

□ Electricity generation and generators maintenance at **Kafr-El bateekh Electricity company** field training .

July 2021

□ Cars maintenance at **AI Watanya Car Services** . July 2022

Education

Horus University Mechatronics Department 2019-2024

Work

Tropics Factory For Industrial Security

Product Engineer

Sep – Dec 2024

- As a Product Engineer specializing in fiber laser machinery, I focus on precision manufacturing and process optimization. My expertise includes designing solutions for efficient, high-quality laser cutting and engraving, catering to industries like automotive and electronics. I streamline workflows, reduce downtime, and align with modern manufacturing demands for cost-effective and sustainable practices.

Technical skills

- **Safety fire alarm and fire-fighting systems** Honeywell (XLS50-XLS60) -RP(1002-2002) Notifier - Notifier 9600 - Notifier 9200 - Photain panels - NFS2-640 - NFS2-3030 - And any panel of fire alarm and fighting control.
- **CCTV systems** coaxial CAM-IP CAM –(HIKvision – Hahua) – (DVR-NVR-CVR) – Pelco.
- **Smart solution design and manufacturing** Smart home products design and manufacturing - Smart industrial solution products - Electronic system design and implementation - PCB design and implementation - Interface and controlling systems. - Monitoring and controlling system design, programming and building.
- **Lithium battery systems** Lithium battery system design and manufacturing - Lithium battery safety system design and usage system design.
- **Electronic Circuits Design Programs** IDE – Protus - Eagle
- **Embedded system** Arduino - ESP8266 – ESP32 - PIC micro-controller - Micro basic and Micro-C - Hardware connection and interfacing - Flow-code programming.
- **CNC machine** 2D ART-CAM design prog - 3Ds-max design (familiar)
- **Solar cell systems** Design of solar cell systems - Design of every single device of the system.
- Technical skills** Providing PC's hardware and software problems troubleshooting - Electrical and electronic troubleshooting.

Rewards and Achievements

- Take part in Robocon 2009-2008-2007.
- Rewarded with the fifth position in Robocon-Egypt2007 (National Competition).
- Rewarded with the "Best Idea" in Robocon-Egypt2007(National Competition)