

Khlood Mahmoud Abd-ELRazek.

Communication & Electronics Engineer (Instructor of Robots for kids)

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- Elman Shia, Alex, Cairo.

EDUCATION

- Higher Institute of Engineering & Technology King Marriott, Alex.

Department: -

Electronic & communications. (very good, GPA (3.13/4), 2020).

Graduation project: -

Humanoid Robot with sign language, the aim of robot helps people to help def people, (Excellent).

- El-Agamy secondary school for girls.

PROFESSIONAL EXPERIENCE

- (since 1 October 2021). 1/10/2021
Works in Smart Technology, Alex

Electronic engineer

(Instructor for kids teaching them robots & programming, programming games and mobile application, 3D design).

- (1 march 2021- 28February2022) 1/3/2021
Alex water company (engineer in metering work shop)

- (15 July -15 August 2017)

Training in Alexandria Container & Cargo Handling Co. (IT, computer, Cranes)

PROJECTS & EXTRACURRICULAR

Line follower robot

- This robot should follow the line, the line is black or white (use Arduino, IR sensor)

Hand follower robot

- This robot follows your hand (use Arduino, ultra sonic sensor, IR sensor)

Obstacle Avoid robot

- This robot should avoid any obstacles (use Arduino, ultrasonic sensor)

Fire detector robot

- This robot should detect there is fire (use Arduino, flame sensor, buzzer, LCD)

Control robot by voice

- This robot control by voice (use Arduino, Bluetooth)

Smart Home

- Smart home (use Arduino, Bluetooth)

SKILLS

Computer software/frameworks: -

- ✓ Proteus & PCB.
- ✓ Mat lab (basic).
- ✓ Arduino.
- ✓ Microsoft office ICDL
(word, power point & excel).
- ✓ Scratch (pic to blox, otto blockly).
- ✓ Tinker cad (circuit & 3d design).
- ✓ Fritzing.

Studied courses: -

- ✓ Telecommunication Technology
Package course (fiber optics).
- ✓ Arduino.
- ✓ PCB.
- ✓ Web design (NTI, 4 July- 4 August 2021).
(Html/CSS/bootstrap)
- ✓ Self-study (basic of c, c++ programming & python, object-oriented programming)

• Language skill: -

- ✓ Arabic(native).
- ✓ English (very good).

personal skills: -

- ✓ Enjoy teamwork.
- ✓ Working under pressure.
- ✓ Responsibility.
- ✓ Team leader.
- ✓ Learning fast.

Competitions

- Robo cup junior Egypt (from 12 of February to 15 February 2024) as mentor in recue line.
- STC 3 (15/9/2023) this competition for kids it was
(line follower robot, problem solving, mobile robot), I participate as a couch

Work shop & events in school

- European schools of Alexandria (29 February 2024)
- Tibia school (13-14 -15 November 2023)