Mennatallah Ibrahem

Biomedical engineer

Biomedical engineer looking forward to work as medical equipment applicator, interesting in embedded system and try to make the best used to serve medical section.

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EDUCATION

Biomedical engineer
Helwan university
2017 - 2022   *GPA   3*

WORK EXPERIENCE

Clinical Trainee
57357 Hospital
10/2022 - Present
Achievements/Tasks
- i have learned about some of hospital departments: laboratory, blood bank & ICU

Clinical Trainee
Al-qasr Elaine Hospital
01/2019 - 02/2019
Achievements/Tasks
- i have learned about some of hospital departments: intensive care unit, operation room, hemodialysis department.

Trainee Engineer
Gateway Company
10/2020 - 12/2020
Achievements/Tasks
- it's a medical equipment training, and i have learned about ultrasound, Endoscopy, Interventional radiology and Types of cardiac investigations.

Electronic Trainee
At Acadmey
2021
Achievements/Tasks
- Training on troubleshooting and maintaining electrical circuits.

ORGANIZATIONS

IEEE Helwan University (08/2020 - 07/2021)
academic volunteer

Dimensions (09/2019 - 07/2020)
Advertising volunteer

BEAT (09/2018 - 08/2019)
HR volunteer

Rescale (09/2017 - 08/2018)
dcr volunteer

Resala Charity Organization (09/2017 - Present)
leader in resala qwafal

SKILLS

work on a team | c | c++ | embedded c | embedded system | presentation skills | arduino | Simulation programs | COMSOL | Artificial Intelligence (AI) | Biomedical equipment

PERSONAL PROJECTS

Blind stick (2019)
- This stick helps the blind, as it gives a sound if there is an obstacle at a distance of 20 cm. And it also makes a vibration so that it helps blind people with hearing impairment. I made this project by using arduino.

Digital droplet microfluidics (2022)
- Using lab-on-a-chip technology to mix a small drop of reagent with a single drop of blood collected from a patient in order to get an accurate diagnosis of probable diseases and that can be processed on a single chip.

monitoring a pulse oximeter with remote server. (2022)
- monitor Heart Rate and oxygen saturation (Sp02) level using MAX30100 sensor. This sensor is connected with ESP8266 NodeMCU which will act as a Web Server. You can access these webpage from any device which has WiFi support and a browser installed on it.

Airplane Check IN (2020)
- this program assign passengers seats in an airplane. Which display the seat pattern, with an X marking the seats already assigned. After displaying the seats available, the program prompts for the seat desired. If the user types in a seat that is already assigned, the program should say that seat is occupied and ask for another choice. I made this project by using c language.

ONLINE COURSES

c (09/2017 - 09/2018)

c++ (09/2017 - 09/2018)

embedded c (09/2020 - Present)

embedded system (09/2020 - Present)

LANGUAGES

Arabic
Native or Bilingual Proficiency

English
Professional Working Proficiency

INTERESTS

Reading | learning | sports | recycling | human development | preserving the environment