Omar Abdelghany

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GitHub:github.com/omarabdelghany2

Education

Alexandria university/Faculty of engineering enrolled, expected
Level 4 / GPA: 2.5 2019–2024

- Department:Electrical Communication department

Experience

Siemens
Lab Training for Siemens Automotive Diploma

- Currently

Croco marine
software Embedded engineer

- i was a software embedded engineer in croco marine team for a year

Croco marine
Vice CEO

- We are a technical team worked together on a project ROV (remote operational vehicle) i was embedded software member for one year finally we got the third place in Mate ROV competition

IEEE Alexandria department
Embedded system committee member and also as an HR

Embedded Systems Professional course at egFWD provided by Udacity
I have nanodegree in embedded systems i got from udacity after graduation from the professional course in embedded systems.

- have dealt with Atmega32 and made smart Home project using it and communication protocol review it in my GitHub.

Embedded Systems Advanced course at egFWD provided by Udacity
have dealt with TI-VA C cortex m4 and LPC2129

- have made RTOS project on it and made EDF scheduler, the course have also Embedded software design, i have made Automotive door locker design including its(static design and dynamic design and finally the CPU load.)

Projects

See full list of projects on github.com/omarabdelghany2

- Traffic light by button By ATMEGA32 by simulation
  it is a traffic light give the priority for the pedestrian
- ATM machine (UDACITY Project)
  it was a graduation project from programming embedded C
- ROV(REMOTE OPERATED VEHICLE)(TECHNICAL TEAM Project)
  it was a project we can compete in (MATE) competition using it and we finally got 3rd place on middle east
- Smart Home (full smart Home project simulated on Proteus)
  I have build ed all its drivers we can get them on my GitHub have made a simulation video also .
- RTOS (EDF-Schedular)
  I have build ed the scheduler working on LPC2129 ARM processor
- Embedded software design (Automotive Door locker design)
  I have made a full design including the Block diagram,Static design Dynamic design ,CPU load a full architecture that can be given to software developer to implement the Full code

Skills

- **Programming problem solving.**
- **Software Design.**
- **Good enough informations about OOP.**
- **Design Patterns.**
- **Clean code.**
- **good communicator.**
- **can deal with Java,C,C++,Python.**

CERTIFICATES

- third place in mate competition certificate 2021 –2022
  - My certificate.
- Nanodegree program(Embedded system Professional) 2022
  - verified link certificate.
- Nanodegree program(Embedded system Advanced) 2023
  - verified link certificate.
- ITI (Embedded system with ARM 150 hours) 2023
  - verified link certificate.