

Mahmoud Mohamed Bassam Alsyeed Alsalahy

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Military Status: exempted

Summary

I am Mahmoud Bassam , I graduated from October 6 University at mechatronics engineering in 2023, I have good experience in c and c++ programming (about 2 years), I now have experience in interfacing with pic and atmega avr 328p and reading any datasheet ,I made some project in embedded systems like THS system to learn new skills

Experience

-embedded system developer as freelancer (from: 2/2024)

My Role :Design and Integrate system as software and Hardware

- embedded system developer as internship in Egyptian Engineering Foundation (from :25/2024)

My Role :Design and Integrate system as software and Hardware

-Instructor as Freelancer in programming and embedded systems

-Qa engineer as Internship in Oigetit Fake News Filter remotely internship in United States:

My Role :Bug tracking for Mobile app and Website

Making bug report for everyday

--I made automation testing by selenium for Website and Manual Testing for APP and If There any bug I report it in Excel sheet

Education

Faculty of Engineering - October 6 University

Bachelor's degree In Mechatronics Engineering

Duration: 2018-2023

GPA: 3.17(very good)

Graduation project: We made ROV (Remote Operated vehicle), we use py_camera with Raspberry py to detect cracks in gas pipe line under water ,we used IMU sensor ,pressure sensor

Grade of Graduation project: Excellent

Technical Skills

Programming Languages : C/C++ ,Java|| **Advanced programing :**OOP in C++/Data structures/software engineering

- Software Engineering• interfacing with pic ,AVR,
- Communication protocols :Uart,I2c,CAN

Projects:-

1-Control DC Motors to turn left And Right with period in time

[Link of project](#)

2-Making THS system which I used Atmega 328p , this system to save environment from high temperature

[Link of project](#)

3-Vertical parking system

-this system when customer want to park his car he can select new car system check if there anyplace in parking is empty if empty he can write car code , this code will save in Internal EEPROM if not empty lcd will display not found

-When he want to return his car he will select return car ,and write code ,this code must saved in EEPROM if found ,he can return car , if not the lcd will display not found (Freelance project)

-I design this idea , its circuit , I used IR sensor to detect if pack is empty or not ,second ir sensor to count packs

-I used pwm through timer 2 to reduce speed dc motor by I298n

-I simulate this system on proteus to check if achieve requirments or not

[Link of project code](#)

[Link of project linkedin](#)

Courses

- Classic control & Plc (August 20 ,2021)
- Basic Fundamentals programming in C++ (July 15,2022) [IT Sharkes](#)
- Object-Oriented programing in C++ (15 August , 2022) [IT Sharkes](#)
- Unordered Data Structures in C++ (September 27, 2022) [IT Sharkes](#)
- Online intro to interfacing with pic and Avr (Atmega328p) with Eng/Ahmed Abd EL_Ghafar & communication protocols
- Online Testing Bootcamp Course with Tarek Roshdy on Udemy (From 15/7/2024) to Now

Language

- Arabic : Native.
- English: Very good

Personal Information

- **Date of Birth:** 19 / 9 / 1999
- **Gender:** Male
- **Nationality:** Egyptian
- **Military Status:** exempted