NOUR MOHAMED SAID

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Nationality: Egyptian

Objective

reliable Intern studying at level two in electrical engineering - computer engineering- at Ain Shams University seeks an internship opportunity to expand skills and gain valuable real-world experience. Driven to learn quickly, advance computer proficiency and training in industry operations. Flexible and hardworking team player focused on boosting productivity and performance. Possesses strong analytical and problem-solving skills. Hardworking Student offering part-time work experience and extensive knowledge of core subject matter. Precise and detail-oriented with excellent observational, organizational and communication skills.

Education

- Bachelor of Science in computer engineering
  Student in faculty of engineering Ain Shams University , 1 El Sarayat St. ،ABBASSEYA, El Weili
  , Cairo Government

Technical Skills

- **Programming Languages:**

1) C++

2) JavaScript

3) HTML

4) CSS

5) introduction to Python

- **Basic info about Arduino**
- **Problem solving level 1**

Projects

projects (general electrical engineering)

Software engineering project
• Achieved R-equivalent calculator by introducing a C++ code program that analysis the given circuit description and calculate the equivalent value based on the relation between resistances (parallel, series)

For more details check this google drive folder

https://drive.google.com/drive/folders/1K95ha3PYhsVGpKIfFV32Z3Hp8el4jCUQ

Systems and control system
• Built a solar tracker that detects the source of light using two LDRs that compares the intensity of light falling on each one and based on the difference between the intensities can move left or light following the higher intensity direction, using hysteresis comparator to eliminate the noise and adjusting it's dead band by trial and error then to control the speed of the rotation based on the difference in intensities we used two 555 timers one works as monostable and the other as A stable timer, they worked together to create pulse width modulation (PWM) , and for the direction of rotation we used an H-bridge circuit and a motor.
  ❖ I worked with a team of 10 persons with determination and collaboration to give life to that project.
  ❖ The tasks were divided on us but the whole project was explained and participated in by the whole team members.
  ❖ I took the (PWM using 555 timers) part.

For more details check this google drive folder

https://drive.google.com/drive/folders/1eSrv6oYyYv9l_drg8tkvb1x_7gnlX_aZ

Electronics
• Built and tested an audio amplifier with volume control using class AB power amplifier ,comparators, potentiometer(to adjust the sound level) , speaker and mic
The audio signal is amplified by the first stage (e.g., a negative feedback common purpose op-amp). The
second stage is a buffer (e.g., a negative feedback common purpose op-amp). The third and last stage is a class AB power amplifier to drive the speaker
• Designed, Built and tested a power supply circuit using a transformer, bridge rectifier circuit, filtering capacitor and Zener diode (regulation stage).

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https://drive.google.com/drive/folders/1OK0HVLDDqHRmqvnDc_3iQ6Y8-SFJJlbu

logic design
built and tested a traffic light circuit that counts 60 seconds red and flips to 30 seconds green with a push button pull up resistance.

For more details check this google drive link

https://drive.google.com/drive/folders/1JhC5LdCnGtDNlK2X30KgEzwhWvTXwgtW

some HTML, CSS& JavaScript projects
check them on https://github.com/nouur-mohaamed

Languages

• Arabic (Native)
• English (Fluent)
• French (fair)