Youssef Walied Raafat

Email: youssef.walied1@gmail.com **Address:** Baron City, Cairo Egypt
LinkedIn: linkedin.com/in/youssef-walied-26935a237 **Mobile:** +201223451969
GitHub: https://github.com/YoussefWalied

High persistent computer science student who is interested in software engineering, ready for the opportunity that will make me able to apply my programming skills and tend to learn more in different fields to develop my skills.

Education

Cairo University, **Faculty of Computers and Artificial Intelligence (2020-2024)**

Department of Information Systems, third level

Experience:

Participant – *SCCI, Student Activity*

- Collaborated with a team to build projects of SCCI using Arduino UNO to achieve performance and scalability.
- Worked on tasks assigned by the communities' head and utilize the components we had to reach our project goal.
- Contribute to team meeting and discussions to provide feedback and suggestions to improvement.

Technical Networks Intern – *Fiber Misr Systems, Sheraton Al Matar*

- It covered introduction to OSI layers / TCP IP, Static Routing, Dynamic Routing (RIP-EIGRP-OSPF), Switching (vLans, STP, VTP, Ether-channel, HSRP), IP addressing / sub netting.
- Supported team functions, Handling vendors, CCTV system implementation and Solar winds Ticketing System.

Technical Skills

- **Programming languages**: Python, C++, Java, MYSQL, HTML, CSS and JavaScript.
- **Embedded System:** Arduino.
- Software developments, SOLID principles and Design Patterns.
- Object-oriented programming.
- Data Structure and Algorithms.

Soft Skills

Communication	Team Work
Organization	Hard Worker
Time Mangment	Good Learner
Creativity	Working Under Pressure

Projects

- **Garage parking system:**

  Tools: Java, Design patterns SOLID principles.
  Description: Garage Parking System, which control all parking, seats in the garage and gives each vehicle its seats using different algorithms.
- **Fawry service program:**

  Tools: Java, Design patterns, SOLID principles.

  Description: This system should be user by users to pay for different services.

  As Mobile, recharge services, Internet Payment services, Landline services, Donations.
- **Beverage Machine:**

  Tools: Arduino UNO, Servomotor, Sensor, Buzzer, LCD.

  Description: It is an automatic machine for any type of beverage you add to pour at the time the sensor sees a cup ready to be filled, and appears on the LCD when the beverage is ready.
- **Limitless Athletes center:**

  Tools: Arduino Uno, Ultrasonic sensor, Buzzer, 4 Servo Motors, Push Button, Joystick Module, Heartbeat sensor, OLED Display.

  Description: This is an athletic center for blind and disabled individuals to practice sports easily. The swimming pool has ultrasonic sensors to prevent collisions with the wall. The para powerlifting setup uses servomotors and a string to help with balance and prevent falls. The rehabilitation room has a chair that adjusts to the athlete's posture using two motors, controlled by a joystick.

Languages

Arabic: Native **English**: Fluent **French:** Limited working proficiency