

Ereny Magdy Abdelmalak Fanous

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I'm a Teaching assistant, I help all students in an easy and simple way and I strive for their interest in their study materials, their life, their training and their graduation projects. I also seek to develop themselves and develop their self-study skills and do not hide any information from them to build useful engineers for humanity.

Experience:

- **Teaching assistant:** at Tanta higher institute of engineering and technology, from September 2017 till now.
- **Oversees graduation projects as:**
 1. CNC Router machine.
 2. Robotic Hand Wirelessly Controlled By Human Hand.
 3. Implementation of LTE Physical Layer Using FPGA.
- **Training:**
 1. **Summer training at Tanta higher institute of engineering and technology (August 2016).**
 - Work on programming language: HTML, CSS, and JAVASCRIPT.
 2. **IEEE mid-year training (February 2016).**
 - Software development track and network track.
 3. **Summer training at BENHA ELECTRONICS (July 2014).**
 - Work on computer network (CCNA) and computer language (C#).

Teaching Experience:

- Computer organization and architecture.
 - 3rd Level, first term.
- Software Engineering.
 - 4rd Level, first term.
- Embedded Systems.
 - 4rd Level, second term.

- Microprocessors & Applications.
 - 2rd Level, second term.
- Data Structure & Algorithms.
 - 3rd Level, first term.
- Principles of mechanical power engineering.
 - 1rd Level, first term.

Projects:

- **Graduation Project:**
 - **Title:** Shopping with Virtual Reality (VR).
 - **Grade:** Excellent.
 - **Description:**
The project makes integration between the Virtual reality and E-commerce, that aims to solve the purchase online problem, by displaying products and explaining how people move in the building by the use of virtual reality technology and 3D modeling which make the user feel that is a real place, it also enables a customer to request the order from his site.
- **Embedded Systems Projects:**
 1. Security System with user interface inserting the password based on Micro-controller to control LCD displaying using keypad, UART, I2C, Timer and Dc motor.
 2. Digital Clock Building a System Using AVR to work as Digital Clocks.
- **Programming Based Projects:**
 1. Mockup to Article.
 2. Portfolio Site.
 3. Animal trading Card.
 4. Pixel Art Maker.
 5. Memory Game.
 6. Classic Arcade Game.
 7. Feed Reader Testing.
 8. Neighborhood Map.

Education:

1. Master student at Benha University, computer department.
2. Graduated from NTL program from Udacity and finished track:
FRONT-END WEB DEVELOPER NANODEGREE (September 2017 - March 2018).
3. Tanta higher institute of engineering and technology.
 - BSC. Communication and Computer Department 2012-2017
 - Accumulative Grade: Excellent, The first batch.
 - (GPA: 3.41/4).

Work Skills:

- Artificial intelligence (AI).
- Deep Learning.
- Image Processing.
- Software Engineering.
- Fundamentals of Operating system.
- Real time Operating system (RTOS).
- Fundamentals of Embedded systems.
- C for Embedded Applications (Embedded C).
- C Programming and C++ object oriented programming.
- Fundamentals of programming language (HTML, CSS, JS).
- Matlab and VHDL.
- Time management.
- Team work: easily work with any team and co-operate with all members in the team.
- Highly motivated to success.
- Willing to increase my knowledge.
- Good talker, convincing & Initiative.

- **Simulation Tools:**
 - Eclipse.
 - Proteus.
 - Visual Studio.
 - Unity3D.

- Presentation Skills.