

Mahmoud Mamdouh Mahmoud Elmohtady

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Egypt-Cairo (to relocate)

Career objective

Embedded system is the main implementation of the mechatronics field. I need to develop my skills and discover my limits and challenge myself to develop and learn new things and relate it with an advanced technology and big industry.

Education

- BS,c of mechatronics engineering – Ain shams university – 2017.

Grade: Very good.

Graduation project “control of medical microbot”

Grade: Excellent.

- High school – 2011-2012.

Grade: 98%.

Work Experience

- 1- Embedded system engineer – Valeo - Vsea team.

Sept 11, 2019 - till now.

Projects: (OBC rivian - inverter VW BASE+) - SW integration tester
(inverter Daimler - 100KW) - SW integrator

- 2- Teacher assistant – MSA University – Feb 1, 2019 to June 10, 2019.

Mechatronics department – faculty of engineering.

- 3- Embedded system engineer (internship) – Valeo.

July 10, 2017 to Jan 10, 2018.

- 4- RAs in sound and vibration Lab (internship) – Ain shams university. (3 months) “Design a judging system of speed ball sport and player performance analysis depend on sound and vibration of game equipment system.”

Projects

- 1- “control of medical microbot “ - Graduation project sponsored by GUC
“ it is a research project about controlling of helical microbot with electromagnetic field generated by an omni- directional magnet, to clean blood clots and cure delivery”

Video Link : https://www.youtube.com/watch?v=5wr4Gn8Nr_o&t=3s

- 2- “OBD|| scanner “ – a project in university aim to create a module to connect with car through OBD port through CAN-BUS , to monitor car info status and display info through android application.

- 3- Car controlling with android application – Ihub competition.

Skills

Technical skills	Soft skills
<ul style="list-style-type: none">1- C-programming.2- Embedded-C.3- Communication protocols (UART – I2C – SPI – introduction to CAN).4- Layer architecture.5- Device driver6- Embedded system Interface.7- Caple/Canoe.8- RTOS.9- Microcontrollers (AVR- ARM).10- ECU-TEST11- LABVIEW.12- CaNoe13- Control desk14- debuggers (segger -Lauterbach)15- Git16- jenkins17- V-REB.18- perl scripting language.19- python .20- ISTQB (integration test- unit test -validation test)	<ul style="list-style-type: none">1- Presentation skills.2- Communication skills.3- Work under pressure.4- Self –learner.

• Courses

- 1- ISTQB - valeo Egypt
- 2- OBD - Diagnostics - Valeo Egypt
- 3- Aspice - valeo Egypt
- 4 - Embedded system shape the world course – EDX - Next technology leaders (NTL) With certification.
- 5 - Embedded system Diploma – AMIT
- 6 - Modeling and simulation course – Ain shams, sound and vibration LAB.
- 7 - PLC – IHUB course.

Activities

- 1- Member at “Aviation club”- student activity – Ain shams university.
- 2- Member at Alsafwa charity at tamaly in menouf city – 2011 – till now.
- 3- Member of TSC – tamalay scientific club.

Interests and hobbies

Tennis , Football , Fishing, Video games

