



Mahmoud Ahmed

Mechatronics Engineer

[Product & Prototype Development]

Basic Info

Name: Mahmoud Ahmed Mahmoud Abdel Halim
Nationality: Egyptian
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Work Experience:

- **Bloom Systems Sdn Bhd** (December 2017 – April 2018)
System Analyst
(MIS & CRM Software Analyst)
- **ATEC International Sdn Bhd** (November 2016 – November 2017)
Research & Development Engineer at Robotics & Services Department.
(Prototype & Product Development - Robotics Education – PCB Design)
- **MARND Studio , UK** (November 2016 – November 2017)
Embedded Systems Design Consultant
(Product Design For Manufacturing)
- **Research Management Center, International Islamic university Malaysia.** (September 2016 – April 2017)
Professional service personal, System design and development at smart inner mirror project “ Prototype Development POC stage”
(Research & Development - Team Leader)
- **Delloyd industries Sdn Bhd** (December 2015 – August 2017)
Research & development engineer at Smart Inner Mirror Project
(Automotive System Development , ADAS System Development)
- **MOED SND BHD (Malaysian office for Educational Development)** (July 2015 – July 2016)
Head of research and training at ICU Robotics Project.
(Robotics Education Development)
- **SPARKTECH IIUM** (2014 - 2016)
Founder, Robotics Instructor , Educational Robotics Kits developer, Advisor & Team Leader
(Robotics Education, Competitions, Team leadership)

Education

**International Islamic University
Malaysia**

(2010 - 2015)

Bachelor of Engineering (Mechatronic) (Honors)

Arab Tech Company, Egypt

Embedded Systems Diploma

(June – September) 2018

“Certified by Egyptian Engineers Syndicate”

Achievements

- Founded SPARKTECH Club at IIUM which is a technical engineering society specialized in providing technical training to engineering students, ensuring they are qualified and well-prepared to enter competitions.
- Robotics instructor and in charge of developing robotics Curricula & robotics kits to engineering students, Trained over more than 200 student and participants from different engineering majors and universities at IIUM throughout different workshops held at IIUM
- Won multiple competitions as fighting robot competition, autonomous category in 2015 & Robo Arms competition at the University of Nottingham, Malaysia in 2016
- Was selected as technical judge at Mines sweepers world final competition October 2017
- Was researcher & team leader at **Smart Inner Mirror project** at **Delloyd Industries Sdn Bhd** in collaboration with the **research management centre** at **IIUM**
- Published a paper summarizing all ADAS sub-systems developed throughout smart inner mirror project with Delloyd industries Sdn Bhd at the International conference of sustainable mobility 2017, Paper Link : <https://goo.gl/e2S2XR>, SAE conference certificate link: <https://goo.gl/6gNfrw>

Skills & Abilities

- Advanced & very good C programming skills.
- Good experience implementing embedded C with embedded systems, microcontrollers interfacing, communication protocols dealing with APIs and drivers.
- Passionate at robotics development for educational purposes & prototyping in addition to good experience in DOF” Desing of manufacturing ”
- Expert at developing technology and engineering educations curricula and models.
- Very good experience in Electric circuits & Electronics system design development, analysis and simulation.
- Embedded hardware development, interfacing, using emulators, logic analyzers & oscilloscopes.
- , PCB design & layout.
- Prototypes development methodology & R&D.
- Very good at team leadership & technical management.
- Good experience in ADAS “Advanced driver assistance system” development.
- Very good knowledge in electronics engine systems & engine diagnoses

>Supporting Documents Download Link: <https://goo.gl/nwUd7o>

For further references

PROF . DR . WALEED FEKRY FARIS

Director,

International Institute for Muslim Unity (IIMU),

International Islamic University Malaysia (IIUM),

Former Advisor for SPARKTECH IIUM.

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For Further referees , please contact me directly & thanks
