

Curriculum vitae

PERSONAL INFORMATION **Aoday Mohammad**



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Google Hangout aodayh



<https://scholar.google.com/citations?user=kiLNLoAAAAJ>



orcid.org/0000-0002-2501-0649

Sex Male | Date of birth 17/02/1968 | Nationality Iraqi

JOB APPLIED FOR **College / university teaching professional**

Research Interest

- Medical instruments
- Medical Sensors.
- Controlling systems
- Fibre optic sensors
- Photo communications
- Fibre optics controlling systems
- LED lighting and controlling system
- Bio-informatics systems.
- Bio-electrochemical sensors
- Robotics
- Artificial intelligent
- mechatronics

WORK EXPERIENCE

01/05/2015–Present

Researcher

University of Malaya, Kuala Lumpur (Malaysia)

- Design and develop controller devices for milling machines
- Design and development of AED device
- consultant in all electronics and mechatronics system

01/03/2011–01/03/2014

General manager

GELED Sdn Bhd, Kuala Lumpur (Malaysia)

- General Manager
- Design and Develop different type of electronics and LED lights
- leading RnD team

01/04/2007–01/03/2011 **RnD Manager**
 BeeBull Sdn Bhd, Kuala Lumpur (Malaysia)

- Department Manager
- Design and Develop different type of electronics and LED lights
- leading RnD team

05/02/1998–15/09/2006 **Research and development department manager**
 watani tel. Co. Ltd., Sana'a (Yemen)

- General Manager
- Design and Develop different type of electronics and LED lights
- leading RnD team

EDUCATION AND TRAINING

27/09/2006–01/02/2014 **PhD in Engineering Biomedical Engineering (Bio instrumentation)**
 University of Malaya, Kuala Lumpur (Malaysia)

01/09/1991–31/10/1993 **MSc Engineering Electronics**
 University of Technology, Baghdad (Iraq)

01/09/1985–01/07/1989 **BSc Electrical & Electronics Engineering**
 University of Technology, Baghdad (Iraq)

PERSONAL SKILLS

Mother tongue(s) Arabic

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
IELTS					

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

- I have very good communication and presentation skills

Organisational / managerial skills

- I have very good managerial skills based on my long experience as RnD and general manager
- project management skills
- strategic and operation management skills

Curriculum vitae

- Job-related skills**
- Analog and digital electronics designer
 - Medical sensors
 - Teaching and lecturing the industrial management.
 - Teaching and lecturing the safety and health administration (OSHA standard.
 - Professional in embedded systems
 - Microchip Family PIC and dsPIC 8, 16 bits and 32 bits.
 - Freescale Family 32 Bits.
 - ST MCU 8 and 32 Bits.
 - Panasonic MCU 32 Bit.
 - Green energy system designer (Photovoltaic modules, wind turbine generators and LED lightings) off and on grid.
 - Computer Programmer in Delphi (Databases, Hardware ,....Etc.) (Professional).
 - Professional in Networking software and hardware (LAN, WAN, Wirelessetc.).
 - Leading and manage group of engineers to design and develop new products.
 - Biomedical instrumentation researcher and designer.
 - Quality control and reliability tests.
 - Android systems.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

Microsoft certified professional (MCP)

ADDITIONAL INFORMATION

- Publications**
- AHM Al-Rawi, W. I., EH Mirza (2013). "DC feedback for wide band frequency fixed current source." Journal of Electrical Bioimpedance 4(1891-5469): 33-37.
 - Ar-Rawi, A., M. Moghavvemi, et al. (2009). Comparing between three current source circuits for using in bio electrical impedance design. Technical Postgraduates (TECHPOS), 2009 International Conference for, IEEE.
 - Ar-Rawi, A., M. Moghavvemi, et al. (2009). Wide band frequency Fixed current source for BIT and BIA. World Congress on Medical Physics and Biomedical Engineering, September 7-12, 2009, Munich, Germany, Springer Berlin Heidelberg: 522-524.
 - Ar-Rawi, A., M. Moghavvimi, et al. (2015). "Novel idea to monitor and measure blood hemoglobin noninvasively." African Journal of Biotechnology 9(54): 9295-9306.
 - Moghavvemi, M., A. Ar-Rawi, et al. (2010). "Novel idea to monitor and measure blood hemoglobin noninvasively." African Journal of Biotechnology 9(54).
 - Mohamed, A., M. Moghavvemi, et al. (2008). Measurement of Artery Stiffness Index (ASI) Using Blood Volume Pulse. 4th Kuala Lumpur International Conference on Biomedical Engineering 2008, Springer Berlin Heidelberg: 208-211.

- Mohamed, A., M. Moghavvemi, et al. (2008). A New Device To Measure The Changes in Blood Volume During Pulseatile Cycle Non-invasively. 4th Kuala Lumpur International Conference on Biomedical Engineering 2008, Springer Berlin Heidelberg: 645-648.
- Nadiya T. Darwish, A. H. A., Shamala D. Sekaran, Yatimah Alias, and S. M. Khor (2016). "Electrochemical Immunosensor Based on Antibody-Nanoparticle Hybrid for Specific Detection of the Dengue Virus NS1 Biomarker." Journal of the electrochemical 163(3): B19-B25.

Conferences

- Jun 2008 presenting in BIOMED2008 international conference Kuala Lumpur www.biomed2008.um.edu.my.
- Sep, 2009 WC2009 conference Munich, Germany.
- Dec 2009 techpost 2009 conference KL, Malaysia.

Honours and awards

- 1-3 April 2010 INNOVATION & CREATIVITY EXPO UNIVERSITY OF MALAYA 2010, Silver Medal <http://umexpo.um.edu.my/>
- 17- 19 November 2009 Bio Malaysia 2009 conference and Exhibition Bronze Medal.

Certifications

- 2015 PMP Project Management Professional
- 2007 IELTS (International English Language Testing System) from British Council
- 2005 Diploma in (Neural Linguistic Programming NLP).
- 2005 CCNA1 Networking Basic.
- 2004 MCP (Microsoft certified professional) in windows 2000 professional.
- 2003 MCP (Microsoft certified professional) in windows 2000 server.
- 2002 certificate Oracle Designer APTECH.

Memberships

- PMI professional Management Institute
- Iraqi forum for Intel actuals and academics
- Iraqi Board of Engineers
- The Institute of Engineering and Technology

Seminars

- OSHA safety and health course
- Biomedical sensors and nano materials
- Fibre optic fundamentals
- Engineering maintenance management
- strategic managements
- PMP project management professional
- waste management

Projects

- Fibre optics guidance military vehicle
- Oximeter medical device
- Artery Stiffness Index measuring Medical device

Curriculum vitae

- Ongoing to complete portable ECG and AED medical device
- Non-invasive method to check blood haemoglobin by using bio impedance method
- reducing the lubricant oil in milling machines by controlling the oil pumping time depend on force analysis
- smart energy meter system
- smart call centre system