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CURRICULUM VITAE

Akram AbdelKarim Ahmad AbdelQader

Software Engineering/Faculty of Science and Information Technology,

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Homepage:

https://www.researchgate.net/profile/Akram_Abdelgader?ev=hdr_xprf&_sg=AWcMP8kR_tAD8V4Uad CZh0ya9n-4v-swEvKPSmq2EoktL3ADbRKgyh7aP_OZQjuSe-blNwZDmC9Z_Ch8bgIUZYui

https://scholar.google.com/citations?hl=en&user=VJMNQVoAAAAJ&view_op=list_works&sortby=pubdate

https://publons.com/researcher/1492053/dr-akram-abdelgader/publications/

https://www.youtube.com/channel/UC7KJmyT6BvneSjDN4tABzTg

1. **Personal Data**

   Date of Birth: 18/11/1968
   Nationality: JORDANIAN

2. **Education**

   - **Ph.D.** (Computer Science- Classification & Pattern Recognition) 2017, **De Montfort University, The Gateway Leicester, UNITED KINGDOM**

   - **M.Sc**. (Computer Science) 2003, **University of JORDAN, Amman, JORDAN**

   - **B.Sc.** (Computer Science) 1991, **University of JORDAN, Amman, JORDAN**

3. **Ph.D. Dissertation**

   *Unconstrained Road Sign Recognition***,** De Montfort University, The Gateway Leicester, UNITED KINGDOM.

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4. Employment

Academic Positions

- Instructor, Software Engineering, Al-Zaytoonah University of Jordan, Amman, Jordan, from 1/10/2016 now.
- Instructor, Computer Science, Al-Zaytoonah University of Jordan, Amman, Jordan, from 1/10/2003 – 1/10/2005.
- Instructor, Computer Information System, Al-Zaytoonah University of Jordan, Amman, Jordan, from 1/10/2005 – 1/10/2007.
- Instructor, Software Engineering, Al-Zaytoonah University of Jordan, Amman, Jordan, from 1/10/2007 – 1/10/2012.
- Instructor, Multimedia Systems, Al-Zaytoonah University of Jordan, Amman, Jordan, from 1/10/2012 – 1/10/2016.

Administrative Positions

- Project Manager & DBA & System Analyst and QA at AREA for Computer
- IT Manager & DBA and Network Administrator, Unified Company, Amman-Jordan from 1993-2000.
- Systems and Applications, from 1995 – 2000.
- Independent IT consultant from 1998 – 2003.

5. Research Interests

Software Engineering, Requirements Engineering, Intelligent Requirement Techniques, Image Processing, Machine Learning, AI, Segmentation, PatternRecognition, Classification.

6. Membership in Scientific Societies and Associations

- Associate Editor for "the International Journal of Software Engineering & Applications (IJSEA)
- IEEE Advanced Technology and Humanity Member
- Reviewer at many indexed journals such as: Multimedia Tools and Applications journal, journal of Applied Remote Sensing, IET Software... etc. In addition to reviewing for many indexed Conferences.

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7. <u>**Teaching Experience**</u>
- *Undergraduate Courses*

- Computer Skills (Windows + Microsoft Office Package)
- Computer Language C++
- Computer Programming Language Visual Basic
- Computer Programming Language VB.Net
- Computer Programming Language ASP.Net
- Internet Skills and E-Commerce
- Database Management Systems
- Internet Technology
- Webpage Design using HTML
- Webpage Design using Java Script language
- Computer Graphics
- Software Packages (Flash + 3D Max …)
- Cinema 4D
- Network 1, Network Packages (instillation & configuration)
- Office Automation
- Use Computer in E-Learning
- Selected topics in CS , CIS , (Oracle SQL, PL/SQL, Forms, Reports …)
- Oracle (Database & Developer)

- Software Engineering Project Management and Supervision
- Software Engineering Fundamentals
- Follow up the Students Training in Software Engineering Department.
- Graduation Project in SE
- E-Commerce EC
- IT Information Technology
- Human Computer Interaction (HCI)
- Product Interactivity
- Electronic Media
- Data Structure
- Algorithms
- Object Oriented Programming Language (Java)
- Visual Programming (Java)
- E-Learning and Multimedia
- Introduction to Multimedia Systems
- Multimedia Communication Networks
- Cinema 4D, Multimedia Production Tools
- Mat Lab
- Discrete Mathematics
- Internet Application Programming
- Object Oriented Programming

- Software development and documentation
- Software Requirements
- Software Documentation Techniques
- Software Maintenance and Re-Engineering
- PHP, ASP.Net, C#
- Communication Skills and Professional Ethics.
- Advance Database
-

8. Membership of Committees

- **National and International**
    - Associate Editors, International Journal of Software Engineering & Applications (IJSEA) ISSN: 0975 - 9018 (Online); 0976-2221 (Print), Akram AbdelQader, Al-Zaytoonah University of Jordan, Jordan, https://airccse.org/journal/ijsea/editorialboard.html https://airccse.org/journal/ijsea/ijsealeaflet.pdf
    - **Committee member** @ 2021 3rd International conference on Mechanics, Dynamic Systems and Material Engineering (MDSME2021) will be held in Hohhot, China from Dec 25-26, 2021. **http://www.icmdsme.org/Committees.html**
    - **Committee member** @ 2020 The International Workshop on Digital Medical Image Processing and Applications (DMIPA2020) from 19th to 22nd, 2020 – Valencia, Spain Online Presentations! Colocated with The Fourth International Conference on Multimedia Computing, Networking and Applications (MCNA2020)The International Workshop On Digital Medical Image Processing And Applications (Dmipa2020), http://intelligenttech.org/DMIPA2020/
    - **Committee member @ 2017 6th International Conference on Software Engineering and Applications (SEA-2017)** http://www.wikicfp.com/cfp/servlet/event.showcfp?eventid=59051&copyownerid=46167 , **January 28~29, 2017, Dubai, UAE.**
- **University**
    - Equivalency, counseling, training and graduates follow-up committee.
    - Examination and Evaluation Committee
    - Study plan and educational resources committee
    - Computing and E-Learning Committee

9. Professional and Scientific Meetings

Scientific Meetings Organized

International Conference on Information Technology, al-Zaytoonah University of Jordan IEEE.

Participation in Scientific meetings

International Conference for Internet Technologyand Secured Transactions (ICITST-2012) in London, UK by IEEE UK/RI Computer Chapter, London UK.

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10. Participation in or organization of curricular and/or extra-curricular activities

1) **Iraqi International Conference on Communication and Information Technologies (IICCIT 2022) 7th – 8th September 2022**

2) **CERTIFICATE** OF APPRECIATION AWARDED TO Akram AbdelQader for serving as a reviewer for Journal of Applied Remote Sensing during the calendar year of 2021

3) **Associate Editors** of The International Journal of Software Engineering & Applications (IJSEA), a bi-monthly open access peer-reviewed journal-ERA indexed Journal Reviewer

4) **Reviewing Activates** for Multimedia Tools and Applications journal, Multimedia Tools and Applications ISSN : 1380-7501 Indexed in SCOPUS, Science Citation Index Expanded (SciSearch) ACM Digital Library & others.

5) **Reviewing Activates** for IET Software in related IET journal topics. IET, Impact Factor: 0.473.

11. Publications

- Papers in refereed journals

1) *Qader, Akram Abdel. "A New Novel Hybrid Dynamic Color Segmentation Model for Road Signs in Noisy Conditions." International Journal of Software Innovation (IJSI) 9, no. 3 (2021): pages1-22.*

2) Akram A. Abdelqader *and Khalil Awad*: *A Novel Reservation Model Based on Intelligent Requirement Elicitation Technique Using SVM Classifier Journal of research and surveys on Innovative Computing, Information and Control (abbreviated as ICIC). ICIC Express Letters is published by ICIC, pp.845-85, DOI: 10.24507/icicel.14.09.845, Volume 14,* **Number 9, September 2020.**

3) Akram A. Abdelqader: *A novel intelligent model for classifying andevaluating non-functional security requirements form scenarios.* Indonesian Journal of Electrical Engineering and Computer Science Vol. 15, No. 3,**September2019**,

    pages 1578~1585   ISSN: 2502-4752,   DOI: 10.11591/ijeecs.v15.i3.pp1578-1585,   Available   from: https://www.researchgate.net/publication/339802077_A_novel_intelligent_ model_for_classify_and_evaluating_nonfunctional_security_requirements_f orm_scenarios.

4) Mohammed Lafi, Akram Abdel Qader: *A novel dynamic integrated model for automated requirements engineering process.* International Journal of Computer Applications in Technology 12/2017; Vol. 56(No. 4)., DOI:10.1504/IJCAT.2017.1000994

5) Mohammed Lafi, Akram AbdelQader: *A Novel Automated Requirements Prioritization and Selection Model Based on Requirements Weights and Stakeholder Importance.* International Journal of Information Technology 04/2017; 4(4).

6) Akram A. Abdelqader, Fadel AlTamimi: *A Novel Image SteganographyApproach Using Multi-Layers DCT Features Based on Support Vector Machine Classifier*. DOI:10.5121/ijma.2017.9101

7) Mohamad I. Mouhirat, Akram AbdelQader, M. AL Roajbeh: *A novel approach to generate distributed global and local use cases: A new notation*. Journal of Theoretical and Applied Information Technology 09/2016; 91(1):1-11.

8) M.I. Muhairat, A. Abdelqader, M. Al Rawajbeh: *A novel approach to generate distributed global and local use cases: A new notation*. Journal of Theoretical and Applied Information Technology 09/2016; 91(1):1-11.

9) Akram A. Abdelqader, Mohammad I. Muhairat: *A Mathematical Model to Verify a Reverse Engineering Approach Which Convert Form Fill Format into UML Class Diagram*. International Journal of Software Engineering and its Applications 06/2016; Vol. 10(No. 5 (2016)):pp. 45-60.,DOI:10.14257/ijseia.2016.10.5.05

10) Akram A. Abdelqader, Mohammad I. Muhairat: *A New Reverse Engineering Approach to Convert Form Fill Format Document into UML Class Diagram*. 11/2014; Vol.5(No.6):75 - 86., DOI:10.5121/ijsea.2014.5605

11) Afif Mghawish, Akram A. AbdelQader, Mohammad AbuMahfouz: *"NEW SOFTWARE MODEL FOR DYNAMIC MOBILE MULTI FUNCTION MONITORING SYSTEM" European Scientific Journal July 2013 edition vol.9, No.21 ISSN: 1857 – 7881 (Print) e - ISSN 1857- 7431 Authors: Afif Mghawish, Akram A. AbdelQader, and Mohammad AbuMahfouz.*.

12) Akram A. Abdelqader, Afif Mghawish: *DISTRIBUTED MULTI CONTROL MONITORING APPLICATION (DMCMA) BASED ON MOBILE/WIRELESS NETWORKS", Afif Mghawish1, Akram Abdel Qader2, Mohammad AbuMahfouz3 1,2,and 3 Department of Computer Science, Al- Zaytoonah University of Jordan, Airport Street, Amman Jordan, 1drafif@zuj.edu.jo, 2akrama@zuj.edu.jo ,3sunsetmay_21@yahoo.com.*

13) Akram A. Abdelqader, Khaled Musa: *"Distributed Graphical User Interfaces to Class Diagram: Reverse Engineering Approach using Pattern Recognition" Akram Abdel Qader, Khaled Musa Faculty of Science and Information Technology, Al-Zaytoonah University of Jordan Akrama@zuj.edu.jo Dr.khalid@zuj.edu.jo*. DOI:10.5121/ijsea.2013.4302

14) Dr.AkramAbedelKarim Ahmad AbdelQader, Dr.Mohammed Abbas Fadhil Al-Husainy: *"Electronic Student Attendance Recording System",Dr.AkramAbedelKarim Ahmad AbdelQader,Dr.Mohammed Abbas Fadhil Al-Husainy, Department of Multimedia Systems, Faculty of Sciences and Information Technology, Al-Zaytoonah University of Jordan.*.

15) Mohammad I. Muhairat, Rafa E. Al-Qutaish, Akram A. Abdelqader: *UML Diagrams Generator: A New CASE Tool to Construct the Use-Case and Class Diagrams from an Event Table*. Journal of Computer Science 03/2010; 6(3):253-260.

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- **Conference Presentations**

    1) Dr. Afif J. Almghawish, Dr. Akram AbdelQader, Mohammad AbuMahfouz: *"Software Application to Monitor and Control Distributed System Based On Mobile / Bluetooth Networks", Dr. Afif J. Almghawish, Akram Abdel Qader, Mohammad AbuMahfouz Computer Science department Al-Zaytoonah University of Jordan Amman, Jordan.*

    2) *Khaled Musa, Akram A. Abdelqader: "Evaluating Scenarios Based on Security Requirements" Khaled Musa, Akram Abdel Qader, Faculty of Science and Information Technology, Al-Zaytoonah University of Jordan Dr.khalid@zuj.edu.jo, Akrama@zuj.edu.jo The 6th International Conference on Information Technology 2013, IEEE Jordan Chapter ISSN 2306-6105 ISBN 978-9957-8583-1-5. The 6th International Conference on Information Technology 2013, IEEE Jordan Chapter ISSN 2306-6105 ISBN 978-9957-8583-1-5, Al-zaytoonah University, Jordan Amman; 05/2013.*

    3) *Afif Mghawish, Akram A. AbdelQader, Mahmoud A. Al-Jezawi, Mohammad AbuMahfouz: "Multi Function Control System using GSM modem Based SM5100B Module" The 7th International Conference for Internet Technology and Secured Transactions (ICITST-2012) in London, UK. 12 2012 Authors: Afif Mghawish, Akram A. AbdelQader, Mahmoud A. Al-Jezawi and Mohammad AbuMahfouz.. International Conference for Internet Technology and Secured Transactions (ICITST-2012) in London, UK. 12 2012 Copyright © 2012 ICITST-2012 Technical Co-Sponsored by IEEE UK/RI Computer Chapter, London UK; 12/2012.*

    4) *Mghawish, A.A. AbdelQader, M.A. Al-Jezawi, M. AbuMahfouz: Multi function control system using GSM modem based SM5100B Module. Internet Technology And Secured Transactions, 2012 International Conference for; 01/2012*

    5) *Akram AbdelQader, Participate in al Kuwait First Remote Sensing Conference in "image manipulating over wireless networks". Kuwait First Remote Sensing Conference.*

- **Books and Book Chapters**
  Akram AbdelQader, Information Technology. First Edition 05/2013; AL-Yazori.
  Dr. AbdelFatah Tamimi, Khaled Mustafa and Akram Abdelqader: Computer Skills. first edition 03/2012; AL-Yazori.

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- **Projects**

1) Software Development for Solving Class Management System Problems Using AI, Funded Research Projects at Al-Zaytoonah University, 2020.

2) A Novel Integrated Approach for Software Requirements Documentation and Management: Developing a Reverse Engineering Approach to Generate UML Models from Graphical User Interfaces of Web Applications for the Funded Research Projects at Al-Zaytoonah University, 2018

3) Distributed Control System Via Wireless Networks (Mobile Networks and WAN), Funded Research Projects at Al-Zaytoonah University, 2013.

4) Electronic Student Attendance Recording, Funded Research Projects at Al-Zaytoonah University, 2016Format to be followed:

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12. Professional experience

Date from - Date to	Location	Company	Position	Description
1993-2000	Amman	Unified Company	IT Manager & DBA and Network Administrator	Follows up the software applications, hardware maintenance, upgrade the system; generate new system and managing the Company's overall information technology. - Using VAX/VMS systems and mainframe computers using RDB and COBOL Language with Forms. - Using LAN's and PC computers and PC servers and dual servers. - Using WAN networks, exchange server application server. - Using VPN network WAN and LAN networks. **My positions in this experience are: (My experiences are variants)** • IT manager • Project manager • Team leader • DBA • System analysis • System upgrades • Hardware and Software maintenance • Exchange server • Mail server • Application server • Network Administrator • Monitoring clients control system • DVR monitoring system via internet • VPN network and leased line • Training employees • Supervised the Web site design and updates
1995-2000	Amman	AREA for Computer Systems and Applications	DBA and Network Administrator & **System Analyst and QA**	• Project manager • Team leader • DBA • System analysis • System upgrades • Hardware and Software maintenance • Exchange server • Mail server • Application server • Network Administrator • Monitoring clients control system • DVR monitoring system via internet • VPN network and leased line • Supervised the Web site design and updates

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2000-2003	Amman	Investment Barter Company PLC	IT Manager & Systems Auditing QA	• Network Administrator (WAN, LAN and VPN) • Website Administrator • Managing and upgrading the Application Systems • IT Software and Hardware Consultant • DBA • System analysis • System upgrades • Hardware and Software maintenance • Exchange server • Mail server • Application server • Network Administrator • Monitoring clients control system • DVR monitoring system via internet • VPN network and leased line • Supervised the Web site design and updates
1992	Amman	Al Omariah School	IT Supervisor & Computer Teacher	IT Supervisor & Computer Teacher
1995-2003	Amman	Sub-Projects	IT Analysis	IT Programmer IT Analysis IT Project manager IT QA
2007-2009	Amman	JUMP Org.	IT Independent Consultant	IT Software & Hardware Consultation
2003 - 2018	Amman	AL-Zaytoonah University	Software Engineering Instructor	Teach all SE courses and undergraduate projects

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13. Projects and tasks carried out in the past years (using the following table format)

Date	Country	Client	Project Name and Brief Description	Value of Project	Employer	Role of Consultant	Execution period	Status
	Amman	PLC company	Diagnostic Study of the Computer Department Functionality **ERP**		PLC Company	Analysis the computer department functionality	2 Months	Accepted Done
	Amman	PLC company	Diagnostic Study of HR department and upgrade personal systems **ERP**		PLC Company	Study the HR system and implementation	3 Months	Accepted Done
	Amman	PLC company	Full Integrated System for the Transportation and maintenance Process **Full ERP Solution**		PLC Company	**Full ERP Solution**	12 Months	Accepted Done
	Amman	Jordan Plastic company	Diagnostic study of the row material machines optimization **ERP**		Jordan Plastic company	The optimization of the requirements of the row material relative to machine templates	3 Months	Accepted Done
	Amman	Snabel AL Khair Schools	Diagnostic study of the integration system for the school **ERP**		Snabel AL Khair Schools	**ERP (ENTERPRISE RESOURCE PLANNING)** system HR system Transport Bus System Finance System Storing System	6 months	Accepted Done
	Amman	Golden Tire Company	Diagnostic study and implementation full system **ERP**		Golden Tire Company	ERP (ENTERPRISE RESOURCE PLANNING) system	6 months	Accepted Done
	Amman	International Barter and Investment Company	Full integrated Diagnostic Study for the Transportation Process **ERP**		International barter Transport and Investment Company	ERP (ENTERPRISE RESOURCE PLANNING) system	10 months	Accepted Done

	Amman	Many Companies	Full integrated Multimedia systems and web site methodology		Many Companies	Web Site and training multimedia system for learning E-Learning	6 months	Accepted Done
	Kingdom of Saudi Arabia	Car Trading Company	**Full ERP Solution**		Car Trading Company	Car Trading Company	6 months	Accepted Done
	Amman	Unified Company	Full integrated System **ERP**		Transporting Services Company	Full integrated System **ERP**	6 months	Done
	Amman	BAHAR Shoes Company	Diagnostic study of the Business Process **Via JUMP Org.** & Financial and Product lines System		BAHAR Shoes Company	Financial and Product lines System	6 months	Done