



CURRICULUM VITAE

Akram AbdelKarim Ahmad AbdelQader

*Software Engineering/Faculty of Science and Information
Technology,
Al-Zaytoonah University of Jordan, Amman, Jordan*

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

Photo
40mm X 30mm

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.



4. Employment

Academic Positions

- Instructor, Software Engineering, Al-Zaytoonah University of Jordan, Amman, Jordan, from 1/10/2016 – 1/10/2020.
- 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.

5. Research Interests

Software Engineering, Requirements Engineering, Intelligent Requirements Techniques, Image Processing, Machine Learning, AI, Segmentation, Pattern Recognition, Classification.

6. Membership in Scientific Societies and Associations

IEEE Advanced Technology and Humanity Member

7. Teaching Experience

- *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)



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Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

- 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#

8. Membership of Committees

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

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

- 1) **Associate Editors** of The International Journal of Software Engineering & Applications (IJSEA), a bi-monthly open access peer-reviewed journal-ERA indexed Journal Reviewer
- 2) **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.
- 3) **Reviewing Activates** for IET Software in related IET journal topics. IET, Impact Factor: 0.473.

11. Publications

- Papers in refereed journals
 - 1) 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.*
 - 2) Akram A. Abdelqader: *A novel intelligent model for classifying and evaluating non-functional security requirements form scenarios.* Indonesian Journal of Electrical Engineering and Computer Science Vol. 15, No. 3, **September 2019**, pp. 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_form_scenarios.
 - 3) 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
 - 4) 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).



- 5) Akram A. Abdelqader, Fadel AlTamimi: *A Novel Image Steganography Approach Using Multi-Layers DCT Features Based on Support Vector Machine Classifier*. DOI:10.5121/ijma.2017.9101
- 6) 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.
- 7) 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.
- 8) 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
- 9) 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
- 10) 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..
- 11) 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, Idrafif@zuj.edu.jo, 2akrama@zuj.edu.jo ,3sunsetmay_21@yahoo.com.
- 12) 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
- 13) 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..
- 14) 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.

- **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.



- **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, 2016
- Format to be followed:



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Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

12. Professional experience

Date from - Date to	Location	Company	Position	Description
1993-2000	Amman	Unified Company	IT Manager & DBA and Network Administrator	<p>Follows up the software applications, hardware maintenance, upgrade the system; generate new system and managing the Company's overall information technology.</p> <ul style="list-style-type: none"> - 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. <p>My positions in this experience are: (My experiences are variants)</p> <ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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



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	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