

Curriculum Vitae

Personal Information

Name	Dimah Al-Fraihat
Academic Rank	Assistant Prof.
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Google Scholar	https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=dimah+al-fraihat&btnG=



Academic Qualification

Degree	Major	Awarding University	Duration		Country
			From	Yr. Awarding	
PhD	Computer Science	University of Warwick	2015	2019	UK
MSc	Computer Science and Information Systems	University of Jordan	2012	2014	Jordan
BA	Computer Science	Jordan University of Science & Technology	2002	2006	Jordan

Academic Experience

Duration (Years)	University	Position	Main Duties
4 years	Isra University	Assistant Professor	Teaching Courses
1 year	University of Warwick	Instructor / part time lecturer	Teaching Courses

Professional Experience

Duration (Years)	Institution	Job title	Main duties
1 Year	Warwick University / Warwick Employment Group (WEG-IT)	Systems Analyst/ Software Testing Engineer	<p>Deploy, maintain, and troubleshoot WEG's core business applications, including application servers, associated hardware, endpoints, and database.</p> <ul style="list-style-type: none"> • Meet and coordinate with internal and external stakeholders to establish project scope, system goals, and requirements. • Develop, analyze, prioritize, and organize requirement specifications, data mapping, diagrams, and flowcharts for developers and testers to follow. • Translate highly technical specifications into clear non-technical requirements. • Define and coordinate the execution of testing procedures and develop test cases to serve the overall quality assurance process. • Develop and implement maintenance procedures, monitor systems health, gather system statistics, and troubleshoot reported errors and alarms.
4 years	Ministry of Youth	Head of Computer Science and IT Department	<ul style="list-style-type: none"> • Server Administrator • Assist with installation and setup of IT equipment • Assist with preparation and implementation of project activity logistics (e.g. workshops, training) • Assist with the preparation (printing & organizing) of workshops & training materials • Analysed departmental documents for appropriate distribution
1 year	Ministry of Youth	Programmer/ Server Administrator	Programming and administration of the site server
4 years	USAID	IT Consultant – Quality Assurance – Software Testing	<ul style="list-style-type: none"> • Participate in the design, development and testing of software applications for the automation project of Ministry of Justice MOJ courts in Amman and other cities/towns in the Kingdom of Jordan. • Assist in the implementation of automated court application and operating system software to be installed in the courts and coordinate with programmers, analysts, installers and maintainers to ensure success of the system. • Assist with system integration between the various cities Jordan.

			<ul style="list-style-type: none"> • Assist with data verification and provide start-up support to system users. • Assist with applications testing, data testing, quality assurance and results reporting. • Provide technical support to court professional, administrative and clerical staff to answer questions and resolve problems efficiently and effectively, minimizing interruption of ongoing court operations.
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Training Courses

Course	Organizer	Date	Participant/ Instructor	language
Nvivo	University of Warwick	2017	Participant	English
SPSS	University of Warwick	2017	Participant	English
Structural Equation Modelling using SmartPLS	Germany	2018	Participant	English
Project Management Professional PMP	Jordan	2010	Participant	English

Publications

	Paper title	Journal/Conference	ISSN	Vol. Issue	Year
1	Hyperparameter Optimization for Software Bug Prediction Using Ensemble Learning	IEEE Access	2169-3536	14	2024
2	Speech Recognition Utilizing Deep Learning: A Systematic Review of the Latest Developments	Human-centric Computing and Information Sciences	2192-1962	14	2024
3	Detecting and resolving feature envy through automated machine learning and move method refactoring	International Journal of Electrical and Computer Engineering (IJECE)	2088-8708	14(2)	2024
4	Visualizing software refactoring using radar charts	Scientific Reports Journal / Springer Nature	2045-2322	13 (19530)	2023
5	Optimizing Clustering Approaches in Cloud Environments.	International Journal of Interactive Mobile Technologies	1865-7923	17(19)	2023
6	Intrusion detection in cloud computing based on time series anomalies utilizing machine learning	Journal of Cloud Computing / Springer	2192	12(127)	2023
7	Understanding Students' Resistance to Continue Using Online Learning	Education and Information Technologies Journal / Springer Nature	1360-2357	17(2023)	2023

8	Artificial Intelligence: benefits, application, ethical issues, and organization responses	Book Chapter/ Intelligent Sustainable Systems/ Springer Nature	685-702	1(2022)	2022
9	Prediction and modeling of water quality using deep neural networks	Environment, Development and Sustainability, Springer	1387-585X	2023	2023
10	Why do consumers adopt smart voice assistants for shopping purposes? A perspective from complexity theory	Intelligent Systems with Applications: Science Direct (Elsevier)	2667-3053	18(2023)	2023
11	Toward Smart and Immersive Classroom based on AI, VR, and 6G	International Journal of Emerging Technologies in Learning (iJET).	1863-0383	02(2023)	2022
12	Investigating Antecedents of Mobile Payment Systems Decision Making: A Mediated Model	Global Knowledge, Memory and Communication (Emerald)	2514-9342		2022
13	Factors Influencing the Decision to Utilize eTax Systems During the COVID-19 Pandemic: The Moderating Role of Anxiety of COVID-19 Infection	International Journal of Electronic Government Research (IGI)	1552-6283	18(1)	2022
14	Evaluating E-learning systems success: An empirical study	ELSEVIER: Computers in Human Behavior (Science Direct / Elsevier)	0747-5632	102	2020
15	A Comprehensive Model for Evaluating Elearning Systems Success.	Distance Learning Journal. Information Age Publishing IAP	1547-4712	Volume 15 Issue 3.	2018

Conferences

	Scope	Name	Organizer	Date	Country	Participation	Peer-Reviewed (Yes /No)
1	SEC	Deep Neural Networks in Social Media Forensics: Unveiling Suspicious Patterns and Advancing Investigations on Twitter	The Third Intelligent Cybersecurity Conference ICSC2023), San Antonio, Texas , USA. http://www.icsc-conference.org/2023/index.php	October, during 23-25, 2023 IEEE proceedings	Texas, USA	Yes	Yes
2	SE	Measures of Organizational Process Performance in the Capability Maturity Model Integration (CMMI)	The International Arab Conference on Information Technology ACIT	6-8/11/2023	Ajman, UAE	Yes	Yes

3	AI	Medicinal Plants Recognition Using Deep Learning	The International Conference on Multimedia Computing, Networking, and Applications (MCNA2023)	June/2023	Spain	Participant	Yes
4	AI	Artificial Intelligence: benefits, application, ethical issues, and organization responses	Springer 6 th World Conference on Smart Trends in Systems, Security, and Sustainability	8/2022	UK	Participant	Yes
5	SE	Empirical Investigation of the Impact of the Adapter Design Pattern on Software Maintainability	IEEE - 2021 International Conference on Information Technology (ICIT)	7/2021	Jordan	Participant	Yes
6	CS	Identifying Success Factors for e-Learning in Higher Education	ICEL - 12th International Conference on eLearning	5/2017	USA	Participant	Yes

Research Interests

Computer Information Systems, E-Learning, Software Engineering, Refactoring, Design Patterns, Computer Based Applications, Technology Enhanced Learning, Artificial Intelligence, Mobile Learning, Security.

Languages

Arabic – English (fluent)