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CURRICULUM VITAE

Mohammad Azmi Qasem Al-Madi

Computer Science/Faculty of Science and Information Technology,

Al-Zaytoonah University of Jordan, Amman, Jordan

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1. Personal Data

Date of Birth: 6th May 1983
Nationality: Jordanian

2. Education

- PhD (Computer Science) 2017, Staffordshire University, Stoke-on-Trent, Staffordshire, United Kingdom

- M.Sc. (Computer Science) 2009, The University of Science Malaysia, Penang, Malaysia

- B.Sc. (Computer Information Systems) 2005, Al-Zaytoonah University of Jordan, Amman, Jordan

3. PhD Dissertation

A Novel Knowledge Management Framework for Managing Information Overload in the Diabetes Clinics of the Hospitals in Jordan, Staffordshire University, Stoke-on-Trent, Staffordshire, United Kingdom

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4. Employment

Academic Positions

- Assistant Professor, Computer Science, Al-Zaytoonah University of Jordan, Amman, Jordan, Oct 6th, 2022 – present
  Assistant Professor, The Faculty of Computer Studies, Arab Open University, Jeddah, Saudi Arabia, Sep 1st, 2019 – Aug 31st, 2022
- Assistant Professor (Part-time), Computer Science, Al-Zaytoonah University of Jordan, Amman, Jordan, Sep 1st, 2017 – Sep 1st, 2019
- Lecturer (Part-time), Computer Science, Al-Zaytoonah University of Jordan, Amman, Jordan, Sep 1st, 2016 – Sep 1st, 2017
- Teaching Assistant (Part-Time), The School of Computer Science, The University of Science Malaysia, Penang, Malaysia, Jan 1st, 2010 – Jan 1st, 2013

Administrative Positions

- Head of Department, The Faculty of Computer Studies, Arab Open University, Jeddah, Saudi Arabia, Sep 1st, 2020 – Sep 1st, 2021

5. Research Interests
- Software Engineering
- Data Science
- Data Mining
- Computer Algorithms
- Cloud Computing
- Database Management Systems
- Business Intelligence
- Cloud Computing
- Internet of Things
- Data Structure
- Genetic Algorithms
- Project Management
- Knowledge Management

6. Membership in Scientific Societies and Associations

ICIT-2023

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7. Honors and Awards

- An award provided by the Vice President for Academic Affairs and Scientific Research for the dedication and outstanding role in successfully ensuring the accomplishment of the validation and revalidation mission to the Open University, United Kingdom.
- A successful completion of the Postgraduate Certificate Research Module (PgCRM) was obtained from Staffordshire University, United Kingdom, in 2015.
- A successful completion of the Research Methods Module (RMM) was obtained from Staffordshire University, United Kingdom, in 2014 with Grade A (Distinction).
- A certificate of participation in the Computer Science Postgraduate Colloquium 2012 on the 16th – 17th of July 2012, USM, Malaysia.
- A certificate of participation in the 2nd Symposium of USM Fellowship 2011 on the 23rd – 24th November 2011, USM, Malaysia.
- A certificate of participation in the Workshop on Writing Technical Papers on the 5th – 6th October 2011, USM, Malaysia.
- A certificate of participation in the Computer Science Postgraduate Colloquium 2011 on the 5th – 6th of July 2011, USM, Malaysia.
- A certificate of participation in the Workshop on Academic Kick-off Activity (WAKA) on the 5th of July 2010, USM, Malaysia.
- A certificate of participation in the Computer Science Postgraduate Colloquium 2010 on the 19th – 20th of June 2010, USM, Malaysia.

8. Fellowships and Scholarships

- The University of Science Malaysia Postgraduate Fellowship for PhD studies.

9. Teaching Experience

- *Graduate Courses*

  Not applicable.

- *Undergraduate Courses*

  - Discrete Mathematics, Principles of Programming, Data Management and Analysis, Software Engineering, System Analysis and Design, Advanced-Data communication and Computer Networks, Operating Systems, Interaction Design and User Experience, Introduction to Computer Organisation and Architecture, Information Systems Theory and Management, Introduction to Operating Systems, Introduction to MATLAB Programming, Communication and Information Technology I & II,

Introduction to Information Technology, Introduction to Computer Skills, Research Project, Research Methodology

10. **Supervision of Graduate Research**

Not applicable

11. **Grants**

Not applicable

12. **Patents**

Not applicable

13. **Membership of Committees**

- **National and International**
  - *A participant in the quality and accreditation committee programme in partnership with the Open University, Milton Keynes, United Kingdom.*
  - *A General and Branch Course Coordinator Committee.*

- **University**
  - *A participant in the quality and accreditation committee programme.*
  - *A member for a developed contribution towards opening three new computing tracks (data science, artificial intelligence and cybersecurity tracks).*
  - *A member of the community services.*
  - *A member of the extracurricular activities.*
  - *A member of the examinations.*
  - *A member of the peer review of new and old tutors.*
  - *A member of the university's multi-cultural and social activities.*
  - *A member of opening new specialised computer tracks.*
  - *A member of the English Writing Skills for Academics and Researchers.*
  - *A member of the college council.*
  - *A member of the academic psychological matters.*

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14. Professional and Scientific Meetings

Scientific Meetings Organized

- Meetings with the research committee.
- Online international and local meetings with the general and course coordinators' committee.
- Meetings with the computer science and data science committees.

Participation in Scientific meetings

- The SWOT analysis, The Faculty of Computer Studies, Arab Open University, Jeddah, Oct 5th, 2019.
- The Fishbone Diagram, The Faculty of Computer Studies, Arab Open University, Jeddah, March 15th, 2021.
- English Academic Writing Skills for Researchers, The Faculty of Computer Studies, Arab Open University, Jeddah, May 6th, 2022.
- The validation of the data science programme as a team member of this programme (data science group: developing students' handbook and data science programme specification modules), The Faculty of Computer Studies, Arab Open University, Jeddah, Jun 17th, 2021.
- A developed contribution towards opening three new computing tracks (data science, artificial intelligence and cybersecurity tracks), The Faculty of Computer Studies, Arab Open University, Jeddah, July 25th, 2021.

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

- Participation in the Foreign Languages.
- Participation in the students' council.
- Participation in guiding through the English academic writing skills for academics and researchers.

16. Selected Publications

- Al-Madi, N., Al-Madi, M., Alzyadat, W., Mariah, K.A., Al-Khateeb, A. and Al-Madi, F., (2023). *"Arcaboard: An Overview of the SElectromagnetic HoverBoard"*. In 2023 International Conference on Information Technology (ICIT) (pp. 664-666). IEEE.
- Alzyadat, W., Al-Madi, M., Muhairat, M., Al-Madi, N. and Altarawneh, F., (2023). *"A Roadmap for Artificial Intelligence Augmented Software Development Life Cycle: Aspects of Knowledge Vaporization"*. In 2023

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International Conference on Information Technology (ICIT) (pp. 794-799). IEEE.

- Al-Madi, N.A., Maria, K.A.A., Al-Madi, M.A. and Maria, E.A.A., (2023). "*An Intelligent Arabic Chatbot System to Reduce Admissions Department Burdens".* Authorea. May 02, 2023.

- Al-Madi, M.A., Abdel-Wahab, A., AlShanty, M., Bawazeer, S. and AlZahrani, M., (2023). "*A Perceptual Data Cleansing Model (SDCM) for Reducing the Dirty Data".* In 2023 International Conference on Smart Computing and Application (ICSCA) (pp. 1-7). IEEE.

- Wazirali, R., Ahmad, R., Al-Amayreh, A., Al-Madi, M., Khalifeh, A., (2021). "*Secure Watermarking Schemes and Their Approaches in the IoT Technology: An Overview".* Electronics 2021, 10, 1744. https://doi.org/10.3390/electronics10141744

- N. A. Al-Madi, K. A. Maria, M. A. Al-Madi, M. A. Alia and E. A. Maria., (2021). *"An Intelligent Arabic Chatbot System Proposed Framework".* International Conference on Information Technology (ICIT), 2021, pp. 592-597, doi: 10.1109/ICIT52682.2021.9491699.

- Al-bazar, H., Abdel-Jaber, H., Labib, E. & Al-Madi, M., (2021). "*IMPACTS OF BLENDED LEARNING SYSTEMS ON AOU STUDENTS' SATISFACTION: AN INVESTIGATIONAL ANALYSIS OF KSA'S BRANCH".* Turkish Online Journal of Distance Education, 22 (3), 213-235. DOI: 10.17718/tojde.961839

- Samer H. Atawneh, Osamah A.M. Ghaleb, Ahmad MohdAziz Hussein, Mohammad Al-Madi and Bilal Shehabat., (2020). "*A Time Series Forecasting for the Cumulative Confirmed and Critical Cases of the Covid-19 Pandemic in Saudi Arabia using Autoregressive Integrated Moving Average (ARIMA) Model".* Journal of Computer Science 2020. 16(9). pp. 1278-1290.

- Nagham Azmi AL-Madi, Khulood Abu Maria, Eman Abu Maria and Mohammad Azmi AL-Madi., (2018). "*Structured-Population Human Community Based Genetic Algorithm (HCBGA) in a Comparison with Both the Standard Genetic Algorithm (SGA) and the Cellular Genetic Algorithm (CGA)".* An International Journal of Research and Surveys. 12(12). pp. 1267-1275.

- Al-Madi, N.A., El-Obaid, A. and AL-Madi, M.A., (2017). "*Enhanced Structured Population Approach for Genetic Algorithm".* Information Technology Journal. 16(2). pp. 79-84.