



## CURRICULUM VITAE

**Dara Mohammad Abdelrahman Aqel**

*Department of Artificial Intelligence, Faculty of Science and Information  
Technology,*

*AlZaytoonah University of Jordan, Amman, Jordan*

*Phone: 06 4291511, Ext.: 327*

*E-mail: d.aqel@zuj.edu.jo*

*Homepage: <http://www.zuj.edu.jo/portal/emp-2524/>*

### 1. Personal Data

Nationality: Jordanian

### 2. Education

- Ph.D. (Computer Science/Artificial Intelligence and Data Mining), University of Salford, Manchester, UK
- M.Sc. (Computer Science/Advanced Distributed Systems), University of Leicester, Leicester, UK
- B.Sc. (Computer Information Systems), Al-Ahliyya Amman University, Amman, Jordan.

### 3. Ph.D. Dissertation

Title: "A Framework for Employee Appraisals based on Inductive Logic Programming and Data Mining Methods", University of Salford, Manchester, UK.

### 4. Employment

#### Academic Positions



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- Associate Professor, Department of Artificial Intelligence, AlZaytoonah University of Jordan, Amman, Jordan, 17<sup>th</sup> of November, 2022 to Present.
- Assistant Professor (A), Department of Artificial Intelligence, AlZaytoonah University of Jordan, Amman, Jordan, 12<sup>th</sup> of November, 2019 – 17<sup>th</sup> of November, 2022.
- Assistant Professor (B), Department of Computer Science/Artificial Intelligence, AlZaytoonah University of Jordan, Amman, Jordan, 21<sup>st</sup> of September, 2018 – 12<sup>th</sup> of November, 2019.
- Assistant Professor, Department of Computer Science/ Computer Science, AlZaytoonah University of Jordan, Amman, Jordan. 21<sup>st</sup> of September, 2014 – 21<sup>st</sup> of September, 2018.

#### Administrative Positions

- N/A

#### 5. Research Interests

Artificial Intelligence (AI), Data Science, Data Mining, Databases, Natural Language Processing, Machine Learning, Information Extraction, Big Data.

#### 6. Membership in Scientific Societies and Associations

N/A

#### 7. Honors and Awards

N/A

#### 8. Fellowships and Scholarships

N/A

#### 9. Teaching Experience

- *Graduate Courses*

N/A

- *Undergraduate Courses*

Databases, Operating Systems, Data Structures, Java Programming Language, Introduction to Software Engineering, Introduction to Information Technology, Principles of Artificial Intelligence, Cognitive and Knowledge-based Systems, Natural Language Processing, Big Data, and Machine Learning.



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### 10. Supervision of Graduate Research

I was a Co Advisor of the Master student “Maha Naser Abu Naser”. She got her Master degree in Computer Science from AlZaytoonah University of Jordan in 2020. Her Thesis Title was: “A Novel Efficient Automated Bug Assignment Approach Using Machine Learning”.

### 11. Grants

N/A

### 12. Patents

N/A

### 13. Membership of Committees

#### • University

- *A member in the JORDAN National Qualification Framework (JNQF) Committee in the AI department.*
- *Committee for equivalency, guidance and follow - up graduates (9/2019-Present).*
- *Exams and Evaluation Committee (9/2015-9/2019).*

### 14. Professional and Scientific Meetings

#### *Scientific Meetings Organized*

N/A

#### *Participation in Scientific meetings*

- GATE (General Architecture for Text Engineering) Training Course and Developer Sprint Workshop, at the University of Sheffield, Sheffield, UK, (10<sup>th</sup> -14<sup>th</sup> of May, 2010).

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

- I was a track chair in the International Conference on Information Technology (ICIT 2023), Faculty of Science and IT, Al Zaytoonah University of Jordan, Amman-Jordan (9-10 of August, 2023).

-I was a member in the International Conference on Information Technology (ICIT 2021), Faculty of Science and IT, Al Zaytoonah University of Jordan, Amman-Jordan (14-15 of July, 2021).



- I was a member in the International Conference on Information Technology (ICIT 2019) for Data science, Al Zaytoonah University of Jordan, Amman-Jordan (9-11 of April, 2019).
- I have attended a course of Data Science foundation, given by Avertra Company at Al Zaytoonah University of Jordan, Amman-Jordan (17-21 of February, 2019).
- I have attended a course of Blockchain foundation, given by Avertra Company at Al Zaytoonah University of Jordan, Amman-Jordan (24-25 of February, 2019).
- I was a member in the International Conference on Information Technology (ICIT 2017), Faculty of Science and IT, Al Zaytoonah University of Jordan, Amman-Jordan (17-18 of May, 2017).
- I have attended a training workshop in modern teaching strategies, Faculty of Science and Information -Al Zaytoonah University of Jordan, Amman-Jordan (14-16/2/2017).
- I was a member at Towards a University Enterprise (TEJ), Princess Sumaya University for Technology, Amman-Jordan (2-3 of November, 2016).
- I was a member in the International Conference on Information Technology (ICIT 2015), Faculty of Science and IT - Al Zaytoonah University of Jordan, Amman- Jordan (12-15 of May, 2015).
- I was a member in the Operational Research (OR) Society, Birmingham, UK (2012-2014).

## 16. Publications

1. Igried, B., AlZu'bi, S., **Aqel, D.**, Mughaid, A., Ghaith, I. and Abualigah, L. (2023). An Intelligent and Precise Agriculture Model in Sustainable Cities Based on Visualized Symptoms. *Agriculture*, 13(4), p.889.
2. AlZu'bi, S., **Aqel, D.**, & Lafi, M. (2022). An intelligent system for blood donation process optimization-smart techniques for minimizing blood wastages. *Cluster Computing*, 1-11.
3. **Aqel, D.**, Al-Zubi, S., Mughaid, A., & Jararweh, Y. (2022). Extreme learning machine for plant diseases classification: a sustainable approach for smart agriculture. *Cluster Computing*, 25(3), pp. 2007-2020.
4. AlZu'bi, S., **Aqel, D.** and Mughaid, A. (2021). Recent intelligent Approaches for Managing and Optimizing Smart Blood Donation Process. In 2021 International Conference on Information Technology (ICIT) (pp. 679-684). IEEE.
5. Hamadah, S. and **Aqel, D.** (2020). CYBER SECURITY BECOMES SMART USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING APPROACHES: AN OVERVIEW. *ICIC Express Letters Part B: Applications* 11(12), pp.1115-1123.
6. Mughaid, A., Obeidat, I., Hawashin, B., AlZu'bi, S. and **Aqel, D.** (2019). A smart Geo-Location Job Recommender System Based on Social Media



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- Posts. In 2019 Sixth International Conference on Social Networks Analysis, Management and Security (SNAMS) (pp. 505-510). IEEE.
7. AlZu'bi, S., **Aqel, D.**, Mughaid, A. and Jararweh, Y. (2019). A Multi-Levels Geo-Location based Crawling Method for Social Media Platforms. In 2019 Sixth International Conference on Social Networks Analysis, Management and Security (SNAMS) (pp. 494-498). IEEE.
  8. Hawashin B., **Aqel D.**, Alzubi S., Elbes M. (2019). "Improving Recommender Systems Using Co-Appearing and Semantically Correlated User Interests". Recent Patents on Computer Science, Vol. 12(1).
  9. **Aqel, D.**, AlZu'bi, S, Hamadah, S. (2019). "Comparative Study for Recent Technologies in Arabic Language Parsing". In 2019 Sixth International Conference on Software Defined Systems (SDS), pp. 209-212. IEEE.
  10. Hawashin, B., **Aqel, D.**, AlZu'bi, S., Jararweh, Y. (2019). "Novel Weighted Interest Similarity Measurement for Recommender Systems Using Rating Timestamp". In 2019 Sixth International Conference on Software Defined Systems (SDS), pp. 166-170. IEEE.
  11. Hamadah, S. and **Aqel, D.** (2019). "A Proposed Virtual Private Cloud-Based Disaster Recovery Strategy". In the Proceedings of 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT).
  12. AlZu'bi, S., Mughaid, A., Hawashin, B., Elbes, M., Kanan, T., Alrawashdeh, T., **Aqel, D.** (2019). "Reconstructing Big Data Acquired from Radioisotope Distribution in Medical Scanner Detectors". In the Proceedings of 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT).
  13. **Aqel D.**, and Hawashin B. (2018). "Arabic Relative Clauses Parsing Based on Inductive Logic Programming". Recent Patents on Computer Science, 11(2), pages 121-133.
  14. **Aqel, D.** and Vadera, S. (2013). "A Framework for Employee Appraisals based on Inductive Logic Programming and Data Mining Methods". In Proceeding of the 18<sup>th</sup> International Conference on Applications of Natural Language to Information Systems (NLDB2013). Springer, Berlin Heidelberg, pp. 404-407.
  15. **Aqel, D.** and Vadera, S. (2010). "A Framework for Employee Appraisals based on Sentiment Analysis". Proceedings of the 1<sup>st</sup> International Conference on Intelligent Semantic Web – Services and Applications (ISWSA2010). ACM, pp. 62-67.