

## CURRICULUM VITAE

October 30, 2022

### Wael Jumah Alzyadat

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*Researchgate:*

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### 1. Personal Data

Date of Birth: 5 April 1983  
Nationality: Jordanian

### 2. Education

- Ph.D. (Software Engineering) 2014, University Putra Malaysia (UPM), Seri Kembangan, Selangor, Malaysia
- M.Sc. (Intelligence System) 2009, University Utara Malaysia (UUM), Changlun, Kedah, Malaysia
- B.Sc. (Software Engineering) 2005, Philadelphia University, Amman, Jordan.

### 3. Ph.D. Dissertation

Data Filtering Framework for Preserving Meaningful Data Records from Streams of Unstructured Weather Data, **University Putra Malaysia (UPM)**, Seri Kembangan, Selangor, Malaysia.



#### 4. Employment

##### Academic Positions

- Assistant Professor of Software Engineering, Faculty of Information Technology, Alzaytoonah University of Jordan, 2019 – now
- Assistant Professor of Software Engineering, Faculty of Information Technology, Isra University Jordan, October 2016 – September 2019

##### Administrative Positions

- Chairman of the Department of Computer Science, Faculty of Information Technology, Isra University Jordan, October 2016-October 2018.

#### 5. Research Interests

- Big Data Analytics to Data-Intensive Computing, data capture and storage; search, sharing, analytics; and big data technologies (Map reduce).
- Cloud computing platforms and scalable storage systems.
- Web Accessibility standards are Web Accessibility Initiative (WAI) W3C, PG Rule and ISO/IEC 40500:2012.
- Network intrusion detection, e-government, machine learning
- Requirement Engineering, Testing software
- Total Quality Management

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

- Member of Arabic Language Computing Association
- Member of the Artificial Intelligence and Entrepreneurship Association.
- Member of the Jordanian Society for Business Entrepreneurship (JOSEB)
- Member of the Jordan National Qualification Framework (JNQF)- Develop competencies for IT specializations for Bachelor, Higher Diploma, Master's, and Doctorate levels - AQACHEI
- Consultation of Human Restart Organization
- Member of the Committee corresponding AQACHEI to University Tafila Technical January 2021
- Track Chair for Software Engineering , 10 th International Conference on Engineering and Emerging Technologies (ICEET).
- International Program Committee, 10th International Conference on Engineering and Emerging Technologies (ICEET).
- Editorial board member of ADEIJ journal.
- Sixth International Conference on Control, Modelling, Computing and Applications (CMCA 2017).



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Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

- Injaz.org.jo.
- International Conference on Computer Science and Information Technology (COMIT 2017).

## 7. Honors and Awards

- Developing Leadership and Innovation Skills October 20, 2022
- Designing Interactive Learning Content, Alzaytoonah University of Jordan, March 2022
- Cloud Computing: IEEE Society (2017)
- Microsoft ImagineX 2017
- R Analysis. UPM. Malaysia 2012
- Latex, UPM. Malaysia 2013
- Oracle Databases 10g: SQL, PL-SQL, Forum, and Report (Oracle-Jordan-2006).

## 8. Fellowships and Scholarships

- ARAB-QA, Human Restart Organisation European Board of Science and Development, Hamm Sachsenweg 17 Germany 59073, N0 1382 [ Open 2022 – ongoing]
- Development of New Big Data Model for Decision Making: Case Study -Drugs Chemical Structure, Supported by the Al-Zaytoonah University of Jordan, No: 2020-2019/629/G12 [2020-2021]
- PhD funding belong to “A Dynamic Environment Safety Precaution System Using Formal Specification” and special coordination funds for Science Funds, Malaysia [2009-2015].

## 9. Teaching Experience

- Undergraduate Courses

- I. Engineering Foundations for Software
- II. Requirements analysis and specification
- III. Object Oriented Software Engineering
- IV. Analysis and Design
- V. Design and Modeling
- VI. Project Management
- VII. Operating system
- VIII. Accessibility & Usability (Select Topic 1)
- IX. Big Data (Select Topic 1)
- X. Artificial intelligence
- XI. Modelling and Simulation

- Master Course

- I. Advanced software development.



- II. Advanced software engineering.
- III. Advanced software design and architecture.

## **10. Supervision of Graduate Research**

1. Hamza Emad Abu-Taleb, A proposed model for classifying the requirement specification using a support vector machine (SVM) and Fuzzy Logic, May 2022. [Done]
2. Ahmad Bassam Al-Dasoqi, Proposed Model Used Big Data Architecture to Improve Digital Economy in Jordan, 2021. [Done]
3. Hamza Talep AL-Kfaween, An Approach Used Big Data Architecture to Enhance Heart Disease Diagnosis, 2021 [Done]
4. Banan Aref, Veracity of Big Data with Risk Management in Product Scope. First Semester 2019 *Co-Supervisor* [Done]
5. Areen Metib Al Hgaish, Lake to Acquire Meaningful Data. First Semester 2019 *Co-Supervisor* [Done]
6. Ikhlas H.alMukahel, Adaptive Map Reduce algorithm using fuzzy logic controller. Second Semester, December 2018 *Co-Supervisor* [Done]
7. Yazan M. Al-Kasabrah, An Application of Correctness and Completeness to Enhance Requirements Specification. December 2018 Advisor [Done]

## **11. Membership of Committees**

- Cloud: IEEE Society (2017)
- Human Restart Organisation European Board of Science and Development
- AQACHEI

## **12. Publications**

- 1- Rusul Mumtaz, Venus Samawi, Aysh Alhroob, **Wael Alzyadat**, Ikhlas Almukahel, PDIS: A Service Layer for Privacy and Detecting Intrusions in Cloud Computing. Int. J. Advance Soft Compu. Appl., Vol. 14, No. 2, July 2022.
- 2- **Wael Alzyadat**, Mohammad Muhairat, Aysh Alhroob, and Thamer Rawashdeh , A Recruitment Big Data Approach to interplay of the Target Drugs. Int. J. Advance Soft Compu. Appl., Vol. 14, No. 3, 2022.
- 3- M Abdallah, A Hammad, **W Alzyadat**, Towards a Data Collection Quality Model for Big Data Applications, International Conference on Business Information Systems. 2022.
- 4- A Althunibat, **W Alzyadat**, M Muhairat, A Alhroob. An Approach to Acquire the Constraints Using Panel Big Data Hybrid Association Rule and Discretization Process for Breast Cancer Prediction. Journal of Healthcare Engineering 2021.
- 5- B Mohammad, **W Alzyadat**, M Al-Fayoumi, REL Hawi. An Improved The Quality Of Data Considering Big Data Aspect Based on Sensitive Of Cost Time, 2021 International Conference on Engineering and Emerging Technologies (ICEET).



- 6- **W Alzyadat**, A AlHroob, IH Almukahel, M Muhairat. Big Data, Classification, Clustering and Generate Rules: An inevitably intertwined for Prediction, 2021 International Conference on Information Technology (ICIT).
- 7- AT Imam, A Alhroob, **W Alzyadat**, SVM Machine Learning Classifier to Automate the Extraction of SRS Elements. International Journal of Advanced Computer Science and Applications. 12(3).2021
- 8- Aysh Alhroob, **Alzyadat Wael**, Ayad T. Imam, Ghaith M. Jaradat, The Genetic Algorithm and Binary Search Technique in the Program Path Coverage for Improving Software Testing Using Big Data, Intelligent Automation and Soft Computing, Volume 26, Issue 4, Pages725–733, October 2020.
- 9- Suleyman Al Showrah, Alzyadat **Wael**, Aysh Alhroob, Hisham Al-Assam, User Identification Based on the Dynamic Features Extracted from Handwriting on Touchscreen Devices, International Journal of Interactive Mobile Technologies (iJIM), Volume 14, Issue 11, Pages126-136, July 2020.
- 10- Banan Mohammad, , **Alzyadat Wael**, Mohammad Al-Fayoumi, Ruba EL Hawi, Aysh Alhroob, An Approach to Improve Data Quality from Big Data Aspect by Sensitive Cost and Time, Conference: 2020 11th International Conference on Information and Communication Systems (ICICS), Pages 1-4, 7-9 April 2020
- 11- Aysh Alhroob, **Alzyadat Wael**, Ikhlas Almukahel, Hassan Altarawneh, Missing Data Prediction using Correlation Genetic Algorithm and SVM Approach, International Journal of Advanced Computer Science and Applications, Volume 11, Issue 2, Pages 703-709, February 2020
- 12- Yazan Kasabrah, **Alzyadat Wael**, Aysh Alhroob, Suleyman Al- Showrah, Ahmad Al Thunibat, An Automated Approach to Validate Requirements Specification, COMPUSOFT, An International Journal of Advanced Computer Technology, Volume 9, Issue 2, Pages 3578- 3585, February 2020.
- 13- Aysh Alhroob, **Alzyadat Wael**, Ikhlas Almukahel, Ghaith M. Jaradat, Adaptive Fuzzy Map Approach for Accruing Velocity of Big Data Relies on Fireflies Algorithm for Decentralized Decision Making, IEEE Access, Volume 8, Pages 21401 – 21410, January 2020.
- 14- Areen Al Hgaish **Alzyadat Wael**, Aysh Alhroob, Preserve Quality Medical Drug Data toward Meaningful Data Lake by Cluster, International Journal of Engineering and Technology, Volume 8, Issue 1C, Pages 270-277, October 2019.
- 15- **Alzyadat Wael and** Aysh Alhroob, Development Planning in the Big Data Era: Design References Architecture, International Journal of Recent Technology and Engineering (IJRTE), Volumes 8 - 1C2, May 2019.
- 16- Ruba El Hawi, **Alzyadat Wael**, TQM measured student satisfaction in the Jordanians' Private University for Achieving Institutional Excellence, TEM Journal. Volume 8, Issue 2, Pages 409-416
- 17- **Alzyadat Wael**, Aysh Alhroob, Ikhlas Hassan Almukahel, Rodziah Atan. Fuzzy Map Approach for Accruing Velocity of Big Data, COMPUSOFT, An international journal of advanced computer technology, 8(4), April-2019
- 18- **Alzyadat Wael**, Faisal Alzyoud, Aysh Alhroob, Venus Smawi. Securitizing Big Data Characteristics Used Tall Array and Map Reduce, International Journal of Engineering and Technology (IJET), Volume 7 issue 2



- 19- Faisal Alzyoud, **Alzyadat Wael**, Fadi Hamed, Fayez Shrouf. A Proposed Hybrid Approach Combined Qos with CR System in Smart City EURASIAN JOURNAL OF ANALYTICAL CHEMISTRY, 2/2018, Volume 13.
- 20- Ikhlas Hassan Almukahel, **Alzyadat Wael**, Hybrid Approach Using Fuzzy Logic and Map Reduce to Achieve Meaningful Used Big Data, International Journal of Electrical and Computer Engineering, International Journal of Engineering and Technology (IJET), Volume 7 issue 2 (5)
- 21- Faisal Alzyoud, **Alzyadat Wael**, A Proposed Hybrid Approach Combined QoS with CR System in Smart City, *Second Author*, International Conference on Multidisciplinary Research and Innovation (ICMRI), October 2018.
- 22- Faisal Y.Al-zyoud, Akrem y. Albakheet and **Al\_zyadat Wa'el Jum'ah**. Determining Minimum-Cost Field in Vehicle AD-hoc Sensor Networks, Corresponding Author, International Journal of Computing Academic Research (IJCAR).
- 23- **Al\_Zyadat Wa'el Jum'ah**, Faisal Y.Al-Zyoud and Aysh M. Alhroob Smooth Hand Off Process Cluster\_Based in Vehicular Ad Hoc Networks, Volume 6, Number 3 International Journal of Computing Academic Research (IJCAR).
- 24- Faisal Y.Al-Zyoud and **Al\_Zyadat Wa'el Jum'ah**, The Classification Filter Techniques by Field of Application and The Results of Output,, Australian Journal of Basic and Applied Sciences.
- 25- **Al\_Zyadat Wa'el Jum'ah**, Rodziah Atan. Weather Data Filtering Tool for Relevant-Based Data Prediction, *Corresponding Author*, Copy Right B-197, PS Park.
- 26- **Al\_Zyadat Wa'el Jum'ah**, Rodziah Atan. Requirement Manual Document for Weather Data Filtering and (short-term) Prediction Modules: Case of Malaysia, *Corresponding Author*, Copy Right B-197, PS Park.
- 27- **Al\_Zyadat Wa'el Jum'ah**, Rodziah Atan. The Directs Impact to Pre-Filtering Process to Weather Dataset, *Corresponding Author*, Journal of Theoretical & Applied Information Technology (JATIT).
- 28- **Al\_Zyadat Wa'el Jum'ah**, Rodziah Atan. An Approach of Dynamic Filter for Weather Environment Dependent on Time, *Corresponding Author*, Journal of Theoretical and Applied Information Technology.