

Dr.MAEN ALZUBI



General Information

Nationality : Jordanian
Marital Status : Married
Date of birth : 18/06/1982

Contact



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Languages

Arabic – Native
English – Vgood Skills

MAEN MARWAN ALZUBI - CV

Summary

Last Updated: February 2023

I am a talented, ambitious, and hardworking individual, with wide skills and experience in the computer science field. Furthermore, I am proficient at handling multiple tasks on a daily basis effectively and at working well under pressure. A key strength is communication; building strong relationships with people in order to deliver the best results. I have a Ph.D. in Computer Science - Artificial Intelligence. I also have extensive experience in teaching. Specifically, I have worked as a school teacher for more than 10 years. Also, I have worked as university lecturer for more than 3 years. I seek a teaching role in computer science departments.

Education

- **Ph.D. in “- Computer Science - Artificial Intelligence” - 2020**
Miskolc University (Miskolc, Hungary).

The title of my thesis is

"FUZZY RULE INTERPOLATION ALGORITHM AND BENCHMARK SYSTEM".

- **Master’s Degree in "Computer Information Systems" - 2007**
Arab Academy for Banking and Financial Sciences (Amman, Jordan).
- **Bachelor: Computer Science - 2004**
Irbid National University (Irbid, Jordan).

Academic Experiences

- Assistant professor– **Full Time** - From February 2023 To till now.
Jadara university, Jordan
- Lecturer – **Part Time** – 1st and 2nd Semesters 2021/2022
Jordan university for science and technology, Jordan.
Courses Taught: *Introduction to programming, * Introduction to OOP
- Teaching Assistant – **Part Time** - From 2017 To 2019
The University of Miskolc, Hungary.
Courses Taught: * MATLAB, * Fuzzy System.
- Teaching Assistant – **Part Time** - 1/3/2004 To 19/8/2004
Jordan university for science and technology, Jordan.
Courses Taught: *Teaching Oracle Course (SQL, Forms and Reports).
*Teaching VB class.
- Information Technology Specialist – **Full Time** - 1/3/2004 To 19/8/2004
Ministry of Education, Bahrain.
Activities: *As Trainer for the academic staff, * As a Designer.
- Teacher and Technical – **Full Time** – From 2005 To 2008 / 2012 To 2016 / 2020 To till now, **Ministry of Education, Jordan.**
Activities: Teaching the computer skills (ICDL, Multimedia SW), (Networks, HR, and SF Maintenance).

Technical Experiences

- Graphic Designer – **Full Time** - From 2010 To 2012
Bahrain Translation Office, Bahrain.
Activities: * Books, Cards, Logos& Banners , * Typing.
- Database Designer – **Full time and Part Time** - From 2005 To 2008
NTier co, Jordan.
Activities: [Database Designing, Testing, and Implementing using Oracle Tools such as (Oracle DB (9i,10G) and Oracle Developer 6i).
- Technical – **Part Time** - From 2010 To 2012
Techno way establishment, Jordan.
Activities: * Networks Maintenance. * Maintenance Technical (HR A& SF).

Study Projects and Research

- Graduation project in “Computerization of income tax department / information department”. (2004) (Oracle Database). (**Bachelor's**)
- Addition project " Computerization of the student activities at Irbid national university" in oracle database. (2005) (Oracle Database). (**Bachelor's**)
- IPv4 vs. IPv6, performance and benefits. (2006) (**Master**)
- Information Retrieval in structured documents (XML and HTML). (2006) (**Master**)
- E-commerce and its impact on banks of Jordan. (2006) (**Master**)
- Using Methodology of System Development Life Cycle (SDLC) in the development of the old systems. (2007) (**Master**)
- Graduation project “Fuzzy Rule interpolation algorithm and benchmark system”. (2020) (Fuzzy system) (MATLAB). (**PhD**)
- Addition project “Image Compression Algorithms”. (2022) (Image processing) (MATLAB). (**PhD**)

Certifications

- **Oracle** (Form 6i/Reports 6i/PLSQL), (2003), (Orient computer system), (**Jordan**).
- **ICDL**, (2005) (**Jordan**)
- **Oracle Developer 9i Course**, (2006), (Ntier Tech co), (**Jordan**).
- **Oracle DB 9i Course**, (2006), (Ntier Tech co), (**Jordan**).
- **Oracle Developer 10g Course**, (2007), (Ntier Tech co), (**Jordan**).
- Training course in using “**Smart Board**” (2008) (**Bahrain**)
- **Adobe SW (Photoshop (Level 1+2), Illustrator (Level 1+2), Flash, Director)**, (2010 /2011) (**Bahrain**).

References

- ⊗ **Prof -Dr. Silvester Kovacs**, (Miskolc University - Hungary),
Email: szkovacs@iit.uni-miskolc.hu
- ⊗ **Dr. Mohammad Almseidin**, (Aqaba University of Technology), **Email:**
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- ⊗ **Prof -Dr. Mohammed Otair**, (Amman Arab University), **Email:**
otair@aau.edu.jo
- ⊗ **Prof -Dr. Mohamad Al Rawajbeh**, (Al-Zaytoonah University), **Email:**
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- ⊗ **Eng. Shireen Aldrayseh**, (Jordan University of Science & Technology), **Email:**
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Teaching Philosophy

As a teacher, I believe interaction and engagement are both key to successful teaching and learning. My goal is to create a learning environment that is conducive to active, engaged learning. I strive to create a safe space for learning and to make the educational experience fun. This is true whether teaching formally or informally, and especially whether my audience consists of school students or university students. My style of teaching is practical, experiential, and occasionally humorous, which I believe leads to a collaborative learning process that benefits everyone involved.

I am dedicated to always striving to be a more effective educator regardless of the venue and the learners, it is essential to make the experience interactive. I believe that enthusiasm for the content, for the students, and for the opportunity goes a long way toward creating an effective learning experience.

CS Skills

- Computer Office and Networks
- Graphic Design Skills (Adobe SWs)
- Programming Skills (MATLAB, C++, R, Python)
- Web Development skills (HTML, CSS, PHP)
- Data Mining Tools (Weka and Orange, working on Knime).
- Fuzzy System and Fuzzy Rule Interpolation Tool Boxes.

CS Subjects

I have excellent knowledge to teach the following subjects:

- Introduction to Computer Science & Computer Skills.
- Introduction to Artificial Intelligence
- Machine Learning.
- Digital Image Processing.
- Database Management System.
- Web development programming.
- Programming Languages.

Research Field

During my study period at the University of Miskolc, I developed a new algorithm and Benchmark systems for the Fuzzy Rule Interpolation concept. My new method handles many problems that exist in the current FRI algorithms according to various conditions. Besides that, the new benchmark systems were created for the most important conditions for the FRI concept (Convex and Normal fuzzy set condition and Piecewise linearity fuzzy set condition).

Currently, I am working with a new subject in image compression and image enhancement using fuzzy systems. I also have a research interest in a machine learning field and AI algorithms.

Hobbies and Interests

- Graphic Design.
- Reading and Following any updates in the technology world.
- Football, swimming, travels

My Research Interests

- Fuzzy Systems
- Fuzzy Rule Interpolation
- Image processing
- Machine Learning
- Deep Learning.

Publications

As a Reviewer in

- Artificial Intelligence Journal.
- Journal of Intelligent & Fuzzy Systems.

1. Almseidin, Mohammad, Mouhammad Alkasassbeh, Maen Alzubi, and Jamil Al-Sawwa. "**Cyber-Phishing Website Detection Using Fuzzy Rule Interpolation.**" *Cryptography* 6, no. 2 (2022): 24.
2. Alzubi, Maen, and Szilveszter Kovacs. "**Interpolative fuzzy reasoning method based on the incircle of a generalized triangular fuzzy number**" *Journal of Intelligent & Fuzzy Systems* 39, no. 1 (2020): 709-729.
3. Almseidin, Mohammad, Maen Alzubi, Mouhammd Alkasassbeh, and Szilveszter Kovacs. "**Applying intrusion detection algorithms on the kdd-99 dataset.**" *Production Systems and Information Engineering* 8 (2019): 51-67.
4. Alzubi, Maen, Mohammad Almseidin, Mohd Aaqib Lone, and Szilveszter Kovacs. "**Fuzzy Rule Interpolation Toolbox for the GNU Open-Source OCTAVE.**" In 2019 17th International Conference on Emerging eLearning Technologies and Applications (ICETA), pp. 16-22. IEEE, 2019.
5. Alzubi, Maen, and Szilveszter Kovacs. "**Some considerations and a benchmark related to the cnf property of the koczy-hirota fuzzy rule interpolation.**" arXiv preprint arXiv:1911.05041 (2019).
6. Alzubi, Maen, and Szilveszter Kovacs. "**Some considerations and a benchmark related to the cnf property of the koczy-hirota fuzzy rule interpolation.**" arXiv preprint arXiv:1911.05041 (2019).
7. Alzubi, Maen, Zsolt Csaba Johanyák, and Szilveszter Kovács. "**Fuzzy rule interpolation methods and FRI toolbox.**" arXiv preprint arXiv:1904.12178 (2019).
8. Almseidin, Mohammad, Maen Alzubi, Szilveszter Kovacs, and Mouhammd Alkasassbeh. "**Evaluation of machine learning algorithms for intrusion detection system.**" In 2017 IEEE 15th International Symposium on Intelligent Systems and Informatics (SISY), pp. 000277-000282. IEEE, 2017.