CURRICULUM VITAE

Personal information

- **Name**: Mohammed Jazi Al-Bawaneh

- **Date of Birth**: 20/1/1979

- **Place of birth**: Jordan, Irbid.

- **Gender**: Male.

- **Nationality**: Jordanian.

- **Marital Status**: Married.

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Objective

- To find a position that utilizes my capabilities and experiences broadens my horizon and offers creative challenges as well as providing a comfortable working environment.

Summary of Qualifications

- PhD in Computer information system, Arab Academy of banking & financial Science Faculty of Systems & Information Technology, Department of information system, 2010, with 89.3 degree.
    - **Thesis Title:** *Genetic Base Machine Learning System for MP3 Steganalysis.*
- Master degree in Computer Science and Applications, Yarmouk University, Irbid-Jordan, 2004, excellent degree.
    - **Comprehensive Exam.**
    - **Master Degree Project:** *Parallel processing for different NP problems using Message passing interface MPI library that were applied on the yarmouk univerisy cluster*
- BSc degree in computer science, Jordan, Yarmouk University 2001 with very good degree.

- Tawjehee (high school diploma) degree, scientific stream, Jordan, Irbid, Zaid Ibn Al-Katab secondary school, with very good degree, 1997.(81.9)

Professional Experience

- *Posts*
  - **1/10/2025 – present** : associate professor at Jadara University
  - **15/7/2016 – 1/10/2025** : associate professor at Al-Balqa Applied University
  - **6 / 12 / 2010 – 15/7/2016** : Assistant professor at Al-Balqa Applied University
  - **3/ 9 / 2007 - 6 / 12 / 2010** : Instructor class B at Al-Balqa Applied University
  - **4 / 11/ 2004 - 3/ 9 / 2007** : Assistant Instructor class A at Al-Balqa Applied University
  - **29 / 10 / 2001- 4 / 10 / 2002** : Research Assistant Hashemite University

- *Teaching Duties*
  - I have been involved teaching several courses. The relevant courses information is available below:
  - Software Engineering and Development, Computer Architecture, Internet Development , Object Oriented, Simulation and Modeling, Database System management, Computer Security, Fundamentals of Visual Programming, Visual Basic programming, Computer Graphics, Data Structure, Computer Algorithms, Decision Support System, Information Retrieval, Expert Systems.

- *Language Packages*
  - Visual Basic, C#, Visual C++, C++, Java, SQL, PL/SQL, Visual C#, Pascal.

- *Management*
  - Head Department of Information technology From 9/2016 To 9/2018 at Huson university college – Al-Balqa applied university
  - Course Equivalent Committee(member)
  - IT Department Strategic Planning Committee(member)
  - Diploma Comprehensive Exam Committee(member)

Training programs
- Web Design using: HTML, Active Server Page (ASP.Net).
- International Computer Driving License (ICDL) 2001,
- Building and Designing Database using Microsoft Access.
- Building and Designing Database using Oracle.
- Computer Maintenance (Hardware & software).

Research Interest
- Computer Security, Information Retrieval and Networking

Publications

NO	PAPER TITLE	YEAR	JOURNAL/ CONFERENCE
1	Enhanced IoT cybersecurity through Machine Learning-based penetration testing	2025	Applied Computer Science
2	An adaptive audio wave steganography using simulated annealing algorithm.	2025	International Journal of Electrical & Computer Engineering
3	An Adaptive Fractal Image Steganography Using Mandelbrot and Linear Congruent Generator	2023	International Journal of Communication Networks and Information Security
4	Analytical Approach for Data Encryption Standard Algorithm.	2023	Int. J. Interact. Mob. Technol.
5	Image encryption using anti-synchronisation and Bogdanov transformation map	2022	International Journal of Computing Science and Mathematics

6	**A New Image Encryption Scheme Using Dual Chaotic Map Synchronization**	2021	**INTERNATIONAL ARAB JOURNAL OF INFORMATION TECHNOLOG**
7	**A Novel RGB Image Steganography Using Simulated Annealing and LCG via LSB**	2021	**International Journal of Computer Science & Network Security**
8	**An Adaptive FLV Steganography Approach Using Simulated Annealing**	2018	**International Journal of Communication Networks and Information Security (IJCNIS)**
9	**A Novel Botnet Detection System for P2P Networks**	2017	**Journal of Computer Science**
10	**An Adaptive Virtual Gray Scale Image Steganography Using Simulated Annealing**	2016	**International Journal of Computer Science and Information Security**
11	**A Preferential Virtual Gray Scale Image Steganography Using Intelligent Water Drop**	2016	**International Journal of Computer Science and Information Security**
12	**A NOVEL FLV STEGANOGRAPHY APPROACH USING SECRET MESSAGE SEGMENTATION AND PACKETS REORDERING.**	2016	**INTERNATIONAL JOURNAL OF RESEARCH IN COMPUTER APPLICATIONS AND ROBOTICS,4(4), PP: 44-54**
13	**Survey of the P2P botnet detection methods**	2016	**International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), 5(2), PP: 12-23.**
14	**A Secure Robust Gray Scale Image Steganography Using Image Segmentation**	2016	**Journal of Information Security, 7(1), PP: 152-164**
15	**A Practical Comparison between Signature Approach and Other Existing Approaches in Error Detection over TCP**	2016	**Journal of Communications and Network (JCN), 8(1), PP: 31-38.**
16	**A Survey of Digital Image Processing Techniques in Character Recognition**	2014	**International Journal of Computer Science and Network Security(IJCSNS), 3(14), PP: 65-71**
17	**A Novel Approach for Image Steganography using LCG**	2014	**International Journal of Computer Applications (IJCA), 102(10), PP:34-38**

18	An Automatic Query Generation Approach for Arabic Corpus	2014	International Journal of Computer Applications(IJCA),104(10),PP:39-42

Language Proficiency

- Very good in Arabic Language - reading, writing and speaking.(mother language)
- Very good in English Language- reading, writing and speaking.(Study language)

References

- Dr. Malek Al-Nawashi   Email: nawashi@bau.edu.jo
- Dr. Atef Obidat   Email: dr.atefob@bau.edu.jo