



CURRICULUM VITAE

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1. Education

- M.Sc. (Computer Science), The University of Jordan, Amman, Jordan
- B.Sc. (Computer Science) , Al-Zaytoonah University of Jordan, Amman, Jordan

2. M.Sc. Dissertation

A clinical decision support system for heart disease diagnosis, The University of Jordan, Amman, Jordan

3. Employment

Academic Positions

- Instructor, Faculty of Science and Information Technology, Al-Zaytoonah University of Jordan, Amman, Jordan
Dec, 2017 – present.
- Lecturer, Faculty of Science and Information Technology, Al-Zaytoonah University of Jordan, Amman, Jordan
Sep, 2013 – Dec, 2017



4. Research Interests

- Machine and Deep learning.
- Medical Informatics.
- Computational Intelligence.
- Parallel and Distributed Computing.
- Interconnection Networks.
- Discrete Mathematics.
- Optimization algorithms

5. Teaching Experience

- *Undergraduate Courses*
 - Computer pre-skills.
 - Technical Skills for Scientific faculties.
 - Introduction to Computer Science.
 - Introduction to Information Technology.
 - Discrete Mathematics.
 - Programming Concepts (C++, Java).
 - Programming Methodologies.
 - Object Oriented Programming.
 - Artificial Intelligence Programming (1+2)
 - Data Science

6. Membership of Committees

- **University**
 - The Press Committee.
 - The Quality Assurance Committee.
 - The Activities Committee.
 - The Exams Committee.



7. Professional and Scientific Meetings

Scientific Meetings Organized

- The Organization Committee for the International Conference on Information Technology (ICIT) conference, Amman, Jordan, 2014.
- The Publication Committee for ICIT conference, Amman, Jordan, 2017.

Participation in Scientific meetings

- Attended International Conference on Information Technology (ICIT) conference, Amman, Jordan, April 2021.
- Participated in the online training course entitled by : **Unlock BioInformatics Bootcamp** (36 hours) with Dr. Basel Abu Jamous., 2021
- Attended the IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT), Amman, Jordan, April 2019.
- Attended the Future Trends in Big Data and Advanced Analytics (AI/ML), IEEE-JEA Innovative Technologies Workshop Series in conjunction with JEEIT, Amman, Jordan, April 8, 2019.
- Attended Phi's Research and Innovation Summit 2019, Dead Sea, Jordan, August 5-6, 2019.
- Participated in the training course entitled by: Test Construction and Analysis of its Results (15 contact hours), Al-Zaytoonah University of Jordan, Amman, Jordan, 8-10/2018.

8. Publications

- Papers in refereed journals
 - Nabulsi, M. , **Hamad, N.** and Alqatawneh, S. , “A New Approach for Simplification of Logical Propositions with Two Propositional Variables Using Truth Tables”, Recent Advances in Computer Science and Communications 14(9), 2021, 2828 – 2834.
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 - Bader, R , **Hamad, N A.**, *A multi-agent system model for controlling traffic congestions*, ICIC-Express Letters Part B:Applications, 10(9), 2019, 841-847.
 - Jaber, K , **Hamad, N A.**, Quiam, F , *A Framework for Query Optimization Algorithms for Biological Data*, International Journal of Computational and Experimental Science and Engineering, 5(2), 2019, 76-79.



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Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

- **Hamad, N A.**, Quiam, F, Jaber K ; *Methods and Evaluations of Decision Tree Algorithms on GPUS: an Overview*, ICIC-Express Letters, 12(7), 2018, 723-729.
- Nabulsi, M, **Hamad N A.**; *Proofs of Implications Involving Quantifiers Distribution Over Logical Operators*. Journal of Theoretical and Applied Information Technology, 95(12), 2017, 2824 -2829.
- Mahafzah, B, Sleit,A, **Hamad,N A.**, Ahmad, E, Abu-Kabeer, T; *The OTIS hyper hexa-cell optoelectronic architecture*. Computing, 94(5), 2012, 411-432.
- Mahafzah, B, Alshraideh, M, Abu-kabeer, T, Ahmad, E , **Hamad, N A.** ; *The Optical Chained-Cubic Tree interconnection network: Topological structure and properties*. Computers and Electrical Engineering, 38(2), 2012, 330-345

- Conference Presentations

- **Hamad, N A.**, Nabulsi, M., Additional New Logical Identities Related to Propositional Logic, In the 2021IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT), 14-15 July 2021, Amman, Jordan, 465-468
- **Hamad, N A.**, Nabulsi, M., *Implementing the Unique Existential Quantifier in Digital Logic Design*, In the 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT), 9-11 April 2019, Amman, Jordan, 465-468
- Jaber, K, **Hamad, N A.** , Quiam, F; *A Framework for Query Optimization Algorithms for Biological Data* , In the 5th International Conference on Computational and Experimental Science and Engineering (ICCESEN-2018), 12-16 October 2018, Antalya, Turkey
- Jaber, k,Ibrahim,D, Al-Sanhani, A , **Hamad, N A.** ; *A Framework for Parallel Boyer-Moore-Quick Search Algorithm (P-BM-QS)*, In the 30th IBIMA Conference, 8-9 November 2017, Madrid, Spain, 1623-1628.