

PROFESSIONAL SUMMARY

Holding Computer Systems Engineering PhD with 9 years of experience in computer systems research and development. Seeking the opportunity to work as assistant professor, Lecturer in well-known college, university and contribute to its education and academic achievements.

Research Interest:

Information security (Digital watermarking and Steganography), Image processing, Computer vision, Computer architecture, Software development, Operating Systems kernel hacking and development and IoT.

Education

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|---|--------------------------------|
| PhD. Computer and Embedded Systems Engineering.
Universiti Putra Malaysia, Selangor, Malaysia | April 2016 (CGPA 4 out of 4). |
| M.S. Computer and Embedded Systems Engineering.
Universiti Putra Malaysia, Selangor, Malaysia | Jan 2011 (CGPA 3.92 out of 4). |
| B.Sc. (Hons.) Software Engineering.
AlBalqa'a Applied University, Assalt, Jordan | Jan 2007 (CGPA 3.81 out of 4) |

Note: WES Evaluation Report is done. (Qualifications are equal to USA Qualifications)

Key Skills

- Web sites development, windows applications development.
- C/ C++, Java, assembly, VB.Net, C#.Net, Asp.net, HTML, CSS.
- Unix shell programming.
- Object Oriented Programming.
- UML and SDLC.
- Database design (SQL Server, Oracle, MS Access).
- Requirements engineering.
- Software analysis and design.
- Software testing (Unit Testing, Integration Testing, System Testing).
- Image processing and computer vision using Matlab.
- Linux kernel programming.
- Android
- Business systems applications developments.
- Digital watermarking, steganography and data hiding systems implementation.

Technical Skills

- Microsoft office (word, excell, power point, publisher, access, visio, MS Project)
- Operating systems (Windows, Linux, Mac)
- Microsoft visual studio.
- Matlab, OpenCV, Sdesigner,
- Photoshop CC.
- Vmware, VirtualBox, Qemu
- Operating systems installation and upgrade.
- **Languages:** Bilingual in English and Arabic

Work Experience

- **Current Job:** Dean of Faculty of Computer and Information Systems, Yemen Jordanian University.
- Adjunct Assistant Professor at Saba University and Yemeniah University, Sanaa, Yemen.
- **Research Honorarium Fellow: (Granted Project) Dec 2015 - Feb 2017.** University of Malaya, Dept of Computer Science and Information Technology, Malaysia.
- University of Malaya is ranked among 100 top world universities.

- Implemented UAV's Data video hiding method using Matlab.
- Implemented image and video rotation recovery method for digital watermarking systems using Matlab.
- Wrote the manuscripts and documentation for the implemented systems and published in ISI with high impact factor journals.
- **Research Scholar: (Granted Project)** Sept 2011- April 2016 Uinversiti Putra Malaysia, Dept of Computer and Communication Systems Engineering.
 - Universiti Putra Malaysia is ranked among 200 top world universities.
 - Led research activities to develop, implement a digital document protection system from distribution to unauthorized third parties.
 - Prepared the requirements, performed the analysis and design.
 - Designed and implemented the system database, classes, modules and GUI using Vb.net and C#.
 - Implemented, simulated the system algorithms for image and video files in Matlab, recompiled them into C# then integrated them into the system.
 - Implemented the system algorithms for documents in VB.net and integrated them to the system.
 - Performed unit, integration and system testing and evaluated the performance.
 - Wrote the documentation and manuscripts and published in high ranked journals.
 - Participated in related workshops and exhibitions.
 - Mentored undergraduate and postgraduate students with research guidance
 - Filed a patent in the MIP for the implemented system.
- **Research Scholar:** 2008- 2011 Uinversiti Putra Malaysia, Dept of Computer and Communication Systems Engineering.
 - Implemented an enhanced pluggable runtime scheduler for Linux operating system using C language.
 - Implemented kernel modules in Linux and integrated them to open source kernel using Ubuntu.
 - Benchmarked the new kernel version using various benchmarking tools such as: hackbench, internbench, kernbench, pipetest.
 - Implemented other testing automation tools using C++.
 - Prepared the documentation and published the work in recognized international conferences.
- **Software Engineering and Development Trainer:** 2007-2008, NCC Education, Yemen,
 - Trained government department's individuals to use C#, VB.net and ASP.net to build websites.
 - Trained government departments how to apply software engineering concepts in SDLC.
 - Computer maintenance trainer, Al-Itqan Center in San'a, Yemen 2007.
- **Software Engineer and Developer (Intern):** 2006-2007, Operation & IT Department in Batelco Telecommunication , Jordan
 - Developed an automated users input system using Vb.net.
 - Worked in operation department as network and computer troubleshooter.
 - Worked in database query system (SQL).

Journal Publications

- **Nasr addin Al-maweri**, Roslizah Ali, Wan Azizun Wan Adnan, A. R. Ramli, and Sharifah Mumtazah Syed Ahmad, "State-of-the-art in Techniques of Text Digital Watermarking: Challenges and Limitations", Journal of Computer Science - Science Publication, 2016, (Scopus Indexed).
- **Nasr addin Al-maweri**, Wan Azizun Wan Adnan, A. R. Ramli, Khairulmizam Samsudin and Sharifah Mumtazah Syed Ahmad, "Robust Text Watermarking Algorithm Based on Unicode Extended Characters", Indian Journal of Science and Technology, 2016, (ISI Indexed).
- **Nasr addin Al-maweri**, Wan Azizun Wan Adnan, A. R. Ramli, Khairulmizam Samsudin and Sharifah Mumtazah Syed Ahmad, " A Hybrid Digital Image Watermarking Algorithm based on DCT-DWT and Auto-Thresholding", Security and Communication Networks, Wiley, 2015, (ISI Indexed).

- **Nasr addin Al-maweri**, Aznul Qalid Md Sabri, Ali Mohammed Mansoor, Unaizah Hanum Obaidallah, Erma Rahayu Mohd Faizal, Joan Lai P C, "Metadata hiding for UAV video based on digital watermarking in DWT transform", Multimedia Tools and Applications, Springer US, 2016, (ISI Indexed).
- **Nasr addin Al-maweri** , Aznul Qalid Md Sabri, Ali Mohammed Mansoor, "Automatic Rotation Recovery Algorithm for Accurate Digital Image and Video Watermarks Extraction", Journal of Advanced Computer Science and Applications, 2016, , (ISI Indexed).

Conferences Publications

- **Nasr addin Al-maweri**, Khairulmizam Samsudin, and Fakhrol Zamani Rokhani. Runtime Pluggable Scheduling Policies Framework for a Flexible Operating System. In International Conference on Computer Engineering and Applications (ICCEA 2009), Manila Philippine, June 2009.
- **Nasr addin Al-maweri**, Khairulmizam Samsudin, and Fakhrol Zamani Rokhani. Runtime CPU Scheduler Customization Framework for a Flexible Mobile Operating System. In Proceedings of 2009 Student Conference on Research and Development (SCOReD 2009), Kuala Lumpur, November 2009. IEEE.

Patents

- Wan AzizunWan Adnan, **Nasr addin Al-maweri**, A. R. Ramli, Khairulmizam Samsudin and Sharifah Mumtazah Syed Ahmad, "System and Method for Protecting Digital Documents and Preventing Unauthorized Distribution of Documents to Third Party", Intellectual Property Malaysia, 2013, Patent No:PI2013701895.

Advising

- Guided some master students during PhD candidature
- Supervised various FYP projects for Bachelor students in various Yemen Universities.

Projects:

- Taktaz Restaurant Website Designer and Developer, using ASP.net, HTML , CSS and SQL Server. Malaysia 2017.
- Arabic Language Watermarking Software System using VB.net. Malaysia 2017.
- Analyst, Developer and tester, in Jordanian Election Management System using UML, SQLServer, C#, VB.net, ASP.net, Jordan 2007.
- Development Consultant, Online Pharmacy One System and Medical Expert system using VB.net and SQLServer, Jordan 2007.

Certificates and Training:

- Communication Skills Course at UNIFEM, United Nation from June 29/2006 to August 5/2006.
- Microsoft Certified Professional Courses from Exceed Training Center (Jordan):
 - o Feb 2006 Developing Application using VB.Net
 - o March 2006 ADO.Net
 - o April 2006 Developing ASP.Net Web Application.
- CCNA at Cisco Center, Jordan from Jan 22 2006 to Feb 22 2006.
- Computer Maintenance at AlBalqa'a Applied University from Sept 5 2004 to Oct 15 2004.

Workshops and Seminars:

- IT Fields in Higher Education Institutions between Future Adoption and Market Needs, Saba University, Sanaa, Yemen March 3 2021
- Research Proposal Writing, Kuala Lumpur, Malaysia, Feb 2016
- The Viva Voce, Kuala Lumpur, Malaysia, Jan 2016
- Managing The Research Journey, Kuala Lumpur, Malaysia, Nov 2016
- Matlab and LabView for Engineering, Shah Alam, Malaysia, Feb 2014
- GIS Day Program, Serdang, Malaysia, 2011
- Scientific Writing, Serdang, Malaysia, 2010

Teaching Experience:

- Assistant Professor at Department of IT, Yemen Jordanian University, Sana'a, Yemen, 2017- until now.
- Adjunct Assistant Professor at Department of Engineering and Computer Science, University of Modern Science, Sana'a, Yemen, 2017-2019.

- Adjunct Assistant Professor at Department of Computer Science and Information Technology, Saba University, Sana'a, Yemen, 2017-2019
- Part Time, Senior Lecturer at Department of Engineering and Computer Science, Yemen and Gulf University, Sana'a, Yemen, 2018-2019
- Part Time, Senior Lecturer at Department of Engineering and Computer Science, Al-Yamaniah University, Sana'a, Yemen, 2017-2019.
- Part Time, Senior Lecturer at Department of Engineering and Computer Science, National University, Sana'a, Yemen, 2017-2018
- Teaching Assistance for Operating System class, Department of Computer and Communication Systems Engineering, UPM, Malaysia, 2010.
- Lecturer of Software Development, Systems Analysis and Design, Advanced Programming with C# and VB.Net, Web Design with ASP.Net at NCC Education Center, San'a, Yemen 2007-2008.

Awards and Honors:

- Top 10 PhD Students in Malaysia Award of Honor, 2017.
- Excellent PhD Student Ambassador Award, Malaysia, 2017.
- Bronze Medal at Pameran RekaCipta, Penyelidikan dan Inovasi (PRPI2014), Exhibition of Research and Innovation.
- 4 years PhD Scholarship award 2011.
- 3 years Masters Scholarship award 2008.
- First Rank Student award from AlBalqa'a Applied University/Jordan Feb/2007.
- Superiority Student Ambassador Award, Jordan in 22/5/2006.
- Superiority Student award, AlBalqa'a Applied University/Jordan 12/12/2005.
- Superiority Student Ambassador Award, Jordan in 22/5/2005.
- 4 years Bachelor scholarship award 2003.