
CURRICULUM VITAE

Personal Information

- Waleed Mohammad Hamad Almuseelem
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Summary

Teaching and training IT and Computer Science courses based on merging theory and empirical. Entrepreneurial attitude towards challenges. Speaking English and Chinese. Consultation and solid technical backgrounds in IT industry environments. I'm looking forward to adding more value and success to my country in digital facilities.

Academic Experiences

- **2018/11 – Present** Associate Professor at the Faculty of Computer and Information Technology at the University of Tabuk.
 - Teaching Bachelor students in Information Technology and Computer Science programs.
 - Teaching Master's student information security program.
 - Head of the Foreign Languages Department at the Institute of English.
 - Chairman of the Supervisory Committee of the Department of Foreign Languages.
 - Member of the Supervisory Committee for Teaching Chinese at Tabuk University.
 - Member of the Quality and Academic Accreditation Committee at the Institute of English.
 - Member of the Admins Committee Council at The Institute of English.

Academic Qualifications

- **2012/9 - 2017/1** Ph.D. in Computer Science and Technology-Information Security Major from Wuhan University of Technology in Wuhan City, China, and obtained an **Excellent** evaluation. Dissertation Topic: An Improved Approach for Data Security and User's Privacy in Cloud Computing, Advisor Professor. Li Chunlin
- **2010/9 - 2012/7** master's in computer science and technology from Wuhan University of Technology, China, and obtained an **Excellent** evaluation. Dissertation Topic: Efficient Java

Card-based Secure Framework, Advisor Professor. Li Chunlin, Corporate with Center of Excellence in Information Assurance (COEIA) at King Saud University, Advisor Professor Muhammad Khurram Khan.

- **2007/2** bachelor's in computer Technical Engineering from Riyadh College of Technology, Technical and Vocational Training Corporation (TVTC), Advisor Professor. Saleh Alselim.

Work Experiences

- **2008/5 - 2009/5** One year at the STC company as a computer engineer and systems administrator in the business automation department in the network sector, reported to Eng. Bander Alqifari.
- **2001/8 - 2008/3** 6+ years in the Ministry of Air Defense, Royal Saudi Air Defense Forces, Engineering and Housing Directorate, Riyadh. As a computer technician, technical Support, and network administration, reported to Eng. Bader Almazrwa.

Languages

- Arabic: Native.
- English: Upper Intermediate (B2 Independent user).
- Chinese: Upper Intermediate (HSK4).

Projects

- Administering a large-scale Linux Environment for almost a year in PSU RedHat Diploma program.
- An Improved Approach for Data Security and User's Privacy in Cloud Computing.
- Wuhan Applied Basic Research Project for High-end Talents Program
No.2015010101010021.
- Hubei Natural Science Foundation (No 2014CFA050,61472294, 61171075).
- Special Funding for Fast Sharing of Science Paper in Net Era, by CSTD (FSSP)
No.20130640001.
- New Encryption Algorithms Idea for Java Smart Card Based on Secure Framework, Corporate with Center of Excellence in Information Assurance (COEIA) at King Saud University, Advisor Professor Muhammad Khurram Khan.
- Specialized Research Fund for the Doctoral Program of Higher Education, under Grant No. 20120143110014.

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- Network Evaluation, for Riyadh College of Technology on LAN. Expanded it with WLAN and added intranet services for students.

Training Courses

- Excellence in Designing and developing Academic Programs, Tabuk University.
- Multipliers, (Leaders Creating) Tabuk University Cooperation with FranklinCovey Education.
- The 7 Habits of Highly Effective People, Tabuk University Cooperation with FranklinCovey Education.
- Red Hat Enterprise OpenStack (Cloud Computing Environment).
- PEPMP Prince Sultan University.
- Ethical Hacking (CEH) Great Learning Education Center, Hong Kong.

Certificates

- Red Hat Enterprise Linux System Engineer (RHCE).
- Red Hat Enterprise Linux System Administrator Red Hat Certified (RHCSA)
- Red hat Diploma open-source Linux in Prince Sultan University, King Salman Training Program.
- Windows Server Administration, Institute of Public Administration, Riyadh.

Honors and Awards

- **2012** Wuhan University of Technology, Best graduation dissertation in Information Security.

Presentation and Invited Talks

- **2023** 3rd International Conference on Computing and Information Technology (ICCIT), IEEE Saudi Arabia Section, University of Tabuk.
- **2020.**Open-source Linux and its importance in Cybersecurity major, the University of Tabuk Online event for Tabuk society corporate with Red Hat Company in Riyadh representative Regional Manager Mohammad Mragi.
- **2019** Open-source Linux and success story, Red Hat forum Riyadh.

Publications

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- Waleed Almuseelem, Secure Latency-Aware Task Offloading Using Federated Learning and Zero Trust in Edge Computing for IoMT, IEEE Access, 2025, doi: <https://doi.org/10.1109/ACCESS.2025.3586730>
 - Waleed Almuseelem, Enhance the Security of Data Based on Server-Side Encryption in a Cloud Environment, International Journal of Online and Biomedical Engineering (iJOE),2025, doi: <https://doi.org/10.3991/ijoe.v21i08.55031>
 - Waleed Almuseelem, Deep Reinforcement Learning-Enabled Computation Offloading A Novel Framework to Energy Optimization and Security-Aware in Vehicular Edge-Cloud Computing Networks, Sensors, MDPI publisher, 2025, <https://doi.org/10.3390/s25072039>
 - Waleed Almuseelem, Chapter: Exploring the Impact of AI-Driven Cybersecurity Frameworks on Data Privacy, Security, and Resource Optimization in Cloud Environments, Cloud Computing - Applications and Sustainable Developments Book, IntechOpen Publisher,2025, doi: <https://doi.org/10.5772/intechopen.1010141>
 - Waleed Almuseelem, Chapter: Intrusion Detection Systems in Cloud Environment, Mastering Intrusion Detection for Cybersecurity Book, IntechOpen Publisher,2025, doi: <https://doi.org/10.5772/intechopen.1008756>
 - Waleed Almuseelem, A Novel Fuzzing for RPL Network Vulnerability Analysis and Vision Transformer-based Attack Detection for IIoT, Journal of Harbin Engineering University,2024, <https://harbinengineeringjournal.com/index.php/journal/article/view/2706>.
 - Waleed Almuseelem, Continuous and mutual lightweight authentication for zero-trust architecture-based security framework in cloud-edge computing-based healthcare 4.0, Journal of Theoretical and Applied Information Technology,2023, <https://jaitit.org/volumes/Vol102No1/7Vol102No1.pdf>.
 - Waleed Almuseelem, Joint Devices Energy and Data Security for Task Offloading in Multi-Tier Edge-Cloud Computing Systems, IEEE Access, 2023, doi: <https://doi.org/10.1109/ACCESS.2023.3290139>.
 - Waleed Almuseelem, Data Privacy and Security Model in Cloud Environment, International Conference on Computing and Information Technology (ICCIT), 2023, doi: <https://doi.org/10.1109/ICCIT58132.2023.10273911>.
 - AL-Museelem Waleed & Li Chunlin, User Privacy and Security in Cloud Computing, International Journal of Security and Its Applications. ISSN NO 1738-9976 (2016) <http://doi.org/10.14257/ijisia.2016.10.2.30>.
 - AL-Museelem Waleed & Li Chunlin, Evaluation The faults of Data Security and Privacy in Cloud Computing, 2016 2nd International Conference on Electronic Design, Computer Networks and Automated Verification (EDCAV 2016), <https://www.proquest.com/openview/aaf0eaa21edd360d78ea0b18ea29942d/1?pq-origsite=gscholar&cbl=136095>
 - AL-Museelem Waleed & Li Chunlin, Data Security and Data Privacy in Cloud Computing, Advanced Materials Research Vol. 905 (2014) pp 687-692, doi <https://doi.org/10.4028/www.scientific.net/AMR.905.687>.

Researcher Identification

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 - Scopus link:
<https://www.scopus.com/authid/detail.uri?authorId=58400468100>