

Academic Resume

Abeer Alhuthali

Assistant Professor, Computer Science Department

Contact Information.

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Highest Degree.

2018, PhD, Cybersecurity, University of Illinois at Chicago, USA.

Academic and Professional Experiences.

1. **2021 - 2023**

Director of the Follow-up unit, Vice Deanship for Graduate Studies and Scientific Research at the Faculty of Computing and Information Technology, King Abdulaziz University.

Research Interests.

Cyber Security, Web Security, Offensive Security, Web Application Security, Program Analysis.

Teaching Interests.

Cybersecurity related courses, programming courses.

Certifications and Trainings.

1. University Teacher Skills Program: held in period from 2nd until 16th of March 2021 for 8 training hours. King Abdulaziz University, Jeddah, Saudi Arabia.
2. Inspirational Patents Ideas from the Knowledge Economy and Technology Transfer Center at King Abdulaziz University, Jeddah, Saudi Arabia.
3. Gave Introduction to Cybersecurity course in a collaboration with Graduates Unit at Faculty of Computing and Information Technology, King Abdulaziz University, Jeddah, Saudi Arabia.
4. Publications, Citations and Author's Impact: Where Can We Start? from Center for Teaching and Learning Development at King Abdulaziz University, Jeddah, Saudi Arabia.

Social, Scientific and Professional Affiliation.

1. 2019-Present, member, Hemayah Group.

Excellence Awards and Patents.

1. 2009, Interior, The Best Use of Technology Award, Effat University, Jeddah, Saudi Arabia.
2. 2012, International, Outstanding Graduate Student Award, from the Computer science department, George Mason University, Fairfax, VA.
3. 2018, International, Distinguished paper Award, USENIX Security Conference.
4. 2010, Interior, The Best Scientific Innovation in 2010 Award: From King Abdullah for a project entitled "Treating Children with Acute Lymphatic Leukemia Using Virtual Reality", Jeddah, Saudi Arabia.

Funded Projects.

1. 2021, Effective and Scalable Black-Box Fuzzing Approach for Modern Web Applications, King Abdulaziz University, DSR, Jeddah, Saudi Arabia
2. 2022, Self-Attention-Based Generative Adversarial Network Against Intrusion Detection Systems, From the Ministry of Education and King Abdulaziz University, DSR, Jeddah, Saudi Arabia., Grant no. IFPIP: 571-612-1443.

Publications.

1. Sahar Aldhaferi, Abeer Alhuzali, "Sgan-Ids: Self-Attention-Based Generative Adversarial Network Against Intrusion Detection Systems", Sensors, vol: 23, pp. 7796, 2023.
DOI: [10.3390/s23187796](https://doi.org/10.3390/s23187796)
2. Aseel Alsaedi, Abeer Alhuzali, Omaimah Bamasag, "Effective And Scalable Black-Box Fuzzing Approach For Modern Web Applications", Journal Of King Saud University - Computer And Information Sciences, 2022.
DOI: [10.1016/j.jksuci.2022.10.006](https://doi.org/10.1016/j.jksuci.2022.10.006)
3. Aseel Alsaedi, Abeer Alhuzali, Omaimah Bamasag, "Black-Box Fuzzing Approaches To Secure Web Applications: Survey", International Journal Of Advanced Computer Science And Applications, vol: 12, 2021.
DOI: [10.14569/IJACSA.2021.0120599](https://doi.org/10.14569/IJACSA.2021.0120599)
4. Abeer Alhuzali, Rigel Gjomemo, Birhanu Eshete, and V. N. Venkatakrishnan., "Navex: Precise And Scalable Exploit Generation For Dynamic Web Applications", 27th Usenix Security Symposium (Usenixsecurity 18), Pp. 377-392. Usenix Association, 2018.
5. Abeer Alhuzali, Birhanu Eshete, Rigel Gjomemo, V.N. Venkatakrishnan, "Chainsaw", Ccs'16: 2016 Acm Sigsac Conference On Computer And Communications Security, pp. 641-652, 2016.
DOI: [10.1145/2976749.2978380](https://doi.org/10.1145/2976749.2978380)
6. Birhanu Eshete, Abeer Alhuzali, Maliheh Monshizadeh, Phillip Porras, V.N. Venkatakrishnan, Vinod Yegneswaran, "Ekhunter: A Counter-Offensive Toolkit For Exploit Kit Infiltration", Network And Distributed System Security Symposium, 2015.
DOI: [10.14722/ndss.2015.23237](https://doi.org/10.14722/ndss.2015.23237)