

Muna Hamid Fayyadh
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Summary

I am one of the hard workers who like to work under general directions, applying my skills and expertise to generate solutions that require development or sustainment of new or improved techniques, procedures, or products. Responsibilities include assisting with planning, conducting, and evaluating approaches to meet objectives in a timely cost-effective fashion.

Education

Doctoral in Computer Science (Information Security & Intrusion Detection)/Colorado Technical University,2016-2020

Master's Degree in Computer Science/Al Nahrain university, Baghdad, Iraq, 1998-2001

Bachelor's Degree in Computer Science / Al-Nahrain University, Baghdad, Iraq,1996 – 1998.

Research interests

Cyber security, secure collective network defense, network survivability/restoration, Intrusion detection systems improvement, apply game technology in cyber security awareness, Information Fusion for Enterprise Intrusion Detection & Handling, Privacy and ID Management in context aware environment, Data breaches, QRadar analysis.

Professional Experience

Adjunct faculty (Part time)/Computer science /San-Jacinto community college-Houston, Tx, 2018-2019

- Provide high-quality teaching in computer science/cybersecurity programs of the school in a team-teaching environment.
- Develop teaching materials and presentations includes fundamentals of cybersecurity, cyber defense, incident response and prevention techniques, Steganography.
- Teaching other computer science classes for certificates programs includes; Artificial Intelligence, Computer Architecture & Engineering, Database Management Systems, Human-Computer Interaction, Operating Systems & Networking, Computer Applications in Engineering, introduction to computer science, Computer networks.
- Develop new and review existing course/ educational material.
- Teach assigned courses at the designated time and location(s), including theory and clinical skills. Instruction may include classroom, laboratory, web-based or field experience delivery methods.
- Oversee and assist students. Follow departmental curriculum and the use of approved materials that are endorsed by the department.
- Distribute certificates of completion to students and meet with individual students to make appropriate recommendations for subsequent courses.

Cybersecurity lecturer –College of Computer Science/Al Nahrain University, Iraq, Baghdad
2011- 2015

- Conducting a high-quality research in an area of interest.
- Summarize the findings gained from research, publish research in appropriate scholarly outlets, and attract external research funding in support of this research.
- Provide high-quality teaching in the undergraduate and postgraduate programs of the School in a team-teaching environment.
- Develop teaching materials includes fundamentals of cybersecurity, cyber defense, incident response and prevention techniques, Steganography.
- Supervise undergraduate projects and conduct assessment in the undergraduate and postgraduate coursework programs of the School.
- Develop new and review existing course/ educational material.
- Supervise higher degree research students and provide advice as appropriate.
- Attend school and faculty meetings, hold membership on university committees and participate in professional activity.
- Undertake high level administrative functions within the School as delegated by the Head of School.

Publications:

- **Enhancing the Customer's Centricity through Web Analytics 2.0.** Publication date Aug 18, 2018, London Journal of Research in computer Science and Technology
- **The performance of Grounding Power system, and effect of fault type and location in 400 KV Iraqi super grid network** (Database Design-Research Participation). Publication date Mar 18, 2016
- **Application of Genetic Algorithm through BISDN Computer Networks.** Master thesis, Alnahrain university- Baghdad, Nov. 2001
Publication date Feb 27, 2002
- **Managing an IDS/IPS in the network environment** (In preparation)

Organizations:

Computer Science Research Society/ Iraq

- Professional Membership, 2004-Present

IEEE Organization

- Member, May 2016 – Present

Control System Cyber Security Association International - (CS)2AI

- Member, Mar 2019 – Present

ISSA/Colorado Springs Chapter

- Member, Mar 2015 – Present

CIHEAM-IAMB Alumni-Former Trainees Network (FTN) Initiative)/Italy

- Member, Jun 2012 – Present

WORK STYLE:

- Willing to perform basic tasks and move on to solve complex problems • Able to learn new knowledge and adapt to new environments quickly • Strong independent work style and excellent teamwork skills • Well-organized and passionate