HADEEL ALAZZAM

Personal Information

Nationality: Jordanian

Location: Jordan (Mobility Suitable)

Language: Arabic (Native), English

Email: azzam.hadeel89@gmail.com

Education

PhD   University of Jordan, Computer Science   2016 to 2020

Dissertation: "An Automatic Lightweight Intelligent Intrusion Detection System for Cyber Security"

Avg: Excellent

Supervisor: Prof. Ahmad Sharieh

Co-supervisor: Dr. Khair elddein Sabri

MS   Yarmouk University, Computer Science   May 2014

Thesis: "Job Scheduling in Cloud Computing: A Comparative Study"

Avg: V.Good

Supervisor: Dr. Islam Maghaireh

BS   Yarmouk University, Computer Science   August 2011

Avg: V.Good

HONORS AND AWARDS

Teaching Assistant Grant (Yarmouk University) 2012-2014

Working as T.A in computer science department at Yarmouk university for several courses:

- Computer skills

- C++

- Object Oriented Programming

- Computer Graphics

Teaching Assistant Grant (University of Jordan) 2016-2018

Working as T.A in Computer Science, Computer Information System and Information Technology departments at University of Jordan for **ABET**.

Experience – Summary

Al-Balqa' Applied University- Full-Time Lecturer (October 2021- Present).

SHRWAT Software Solutions – Project Manager (Sep 2019 – Jun 2021)

Jordan University of Science and Technology – Lecturer – Part Time(Sep 2019 – Sep 2021)

Annokhetha for Web and Mobile Application – Game Developer(Unity) (June2016– July2018)

Teep Studies for Scientific Research – Researcher (June2014 – June2016)

Yarmouk University – Teaching Assistant (September2012 – June2014)

Professional Experience & Certifications

Al-Balqa' Applied University

Full-Time Lecturer

(2021- Present)

Job description:

- Developing course material and curricula
- Collaborating with other academics and lecturers to improve teaching methods and expand knowledge base.
- Attending and participating in meetings, conferences, and other events in and outside of the institution.
- Participating in training opportunities and initiatives at the institution.
- Providing support to students and other colleagues.
- Providing academic advising to students(for Digital Forensics Department).
-

SHRWAT Software Solutions

Project Manager

(2019 – 2021)

Job description**:**

- Plan and implement projects.
- Help define project scope, goals and deliverables.
- Define tasks and required resources.
- Collect and manage the project team.
- Manage budget.
- Allocate project resources.
- Create a schedule and project timeline.
- Track deliverables.
- Monitor and report on project progress
- present to stakeholders reports on progress as well as problems and solutions
- Implement and manage change when necessary to meet project outputs
- Evaluate and assess result of project

Jordan University of Science Technology

Lecturer – Part Time

(2019 – 2021)

 Job description:

- Lecture planning, preparation and research.
- Contact and teaching time with students.
- Checking and assessing students' work.
- Encouraging personal development via tutorial or pastoral work.

Annokhetha for Web and Mobile Application

Game Developer(Unity)

(2016 – 2018)

Job description:

- Contributing to the overall game concept and storyline.
- Generating game scripts and storyboards.
- Translating design ideas into functional game code.
- Coding the base engine of the game.
- Contributing to audio and animation design.
- Animating characters and creating levels.
- Developing game milestones and checkpoints.
- Troubleshooting code and fixing bugs.

Teep Studies for Scientific Research

Researcher

(2014 – 2016)

Job description:

- Develop and/or simplify algorithms
- Determine new methods for working with computers
- Test new systems and designs
- Develop models and theories to address issues in the field
- Present findings to the scientific community
- Improve computer hardware performance
- Increase the efficiency of computer software and/or hardware
- Writing reports and preparing scientific papers.

Yarmouk University

Teaching Assistant

(September2012 – June2014)

Job description:

- Attend course meetings and respond promptly to emails from the instructor or Head TA.

- Be approachable, helpful, and familiar with the course content and assignments.

- Hold office hours and/or monitor an online discussion forum.

- Conduct tutorials, labs or review sessions.

- Mark assignments and tests.

Training & Certifications

- Introduction to Cybersecurity, Cisco, 2021
- CompTIA Security+, Self-Study.
- Certified Ethical Hacking (CEH V11), EC-Council, 70 Hours.

Publications

Alazzam, H., AbuAlghanam, O., Al-zoubi, Q. M., Alsmady, A., & Alhenawi, E. A. (2022). A New Network Digital Forensics Approach for Internet of Things Environment Based on Binary Owl Optimizer. *Cybernetics and Information Technologies*, *22*(3), 146-160.

AbuAlghanam, O., Alazzam, H., Alhenawi, E., Qatawneh, M., & Adwan, O. (2022). Fusion-based anomaly detection system using modified isolation forest for the internet of things. Journal of Ambient Intelligence and Humanized Computing, 1-15.

Alazzam, H., AbuAlghanam, O., Alsmady, A., & Alhenawi, E. A. (2022, June). Arabic Documents Clustering using Bond Energy Algorithm and Genetic Algorithm. In *2022 13th International Conference on Information and Communication Systems (ICICS)* (pp. 4-8). IEEE.

Alazzam, H., AbuAlghanam, O., & Sharieh, A. (2022). Best path in mountain environment based on parallel A* algorithm and Apache Spark. *The Journal of Supercomputing*, 1-20.

Alazzam, H., Sharieh, A., & Sabri, K. E. (2022). A lightweight intelligent network intrusion detection system using OCSVM and Pigeon-inspired optimizer. *Applied Intelligence*, *52*(4), 3527-3544.

Alazzam, H., Sharieh, A., & Sabri, K. E. (2020). A feature selection algorithm for intrusion detection system based on pigeon inspired optimizer. Expert Systems with Applications, 148, 113249.

Alazzam, H., Alsmady, A., & Mardini, W. (2020, April). Solving Multiple Traveling Salesmen Problem using Discrete Pigeon Inspired Optimizer. In 2020 11th International Conference on Information and Communication Systems (ICICS) (pp. 209-213). IEEE.

Alsmady, A., Alazzam, H., & Al-Shorman, A. (2019, December). Black hole attack prevention in MANET using enhanced AODV protocol. In Proceedings of the Second International Conference on Data Science, E-Learning and Information Systems (pp. 1-5).

Alazzam, H., Alsmady, A., Mardini, W., & Enizat, A. (2019, December). Load balancing in cloud computing using water flow-like algorithm. In Proceedings of the Second International Conference on Data Science, E-Learning and Information Systems (pp. 1-6).

Alazzam, H., Alsmady, A., & Shorman, A. A. (2019, December). Supervised detection of IoT botnet attacks. In Proceedings of the Second International Conference on Data Science, E-Learning and Information Systems (pp. 1-6).

Alazzam, H., Alhenawi, E., & Al-Sayyed, R. (2019). A hybrid job scheduling algorithm based on Tabu and Harmony search algorithms. The Journal of Supercomputing, 1-18.

Abuqaddom, I., Alazzam, H., Hudaib, A., & Al-Zaghoul, F. (2019, June). A measurable website usability model: Case Study University of Jordan. In 2019 10th International Conference on Information and Communication Systems (ICICS) (pp. 83-87). IEEE.

Alsmady, A., Al-Khraishi, T., Mardini, W., Alazzam, H., & Khamayseh, Y. (2019, April). Workflow scheduling in cloud computing using memetic algorithm. In 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT) (pp. 302-306). IEEE.

Alazzam, H., & Almobaideen, W. (2019, June). Enhancing The Lifetime of Wireless Sensor Network using Genetic Algorithm. In 2019 10th International Conference on Information and Communication Systems (ICICS) (pp. 25-29). IEEE.

Alazzam, H., & Alsharieh, A. (2018, March). Parallel DNA Sequence Approximate Matching with Multi-Length Sequence Aware Approach. International Journal of Computer Applications, Vol. 180, No. 26, pp. 1-6. Foundation of Computer Science (FCS), NY, USA

Alazzam, H., & Alsmady, A. (2017, September). A distributed Arabic text classification approach using latent semantic analysis for big data. In Computer Sciences and

Information Technologies (CSIT), 2017 12th International Scientific and Technical Conference on (Vol. 1, pp. 58-61). IEEE.

COMPUTER SKILLS

- Programming languages (C++, C#, JAVA).
- Web design and application (PhP, HTML, JavaScript).
- Game Development (Unity).
- Distributed Platforms (Spark, Hadoop).
- Database (MySql, SQL Server).