

Amnah Al-Abdi



Contact

Phone

+962777063844
+962775919825

Email

amalabdi@anu.edu.jo

Languages

Arabic: mother tongue

English: very good (speak, write, and read)

Personal Information

Nationality: Jordanian

Religion: Islam

Gender: Female

Marital Status: Single

Address: Irbid, Jordan

Career Objective

Seeking a challenging position in the educational and programming fields so I can enrich my knowledge, skills, and experience to make a significant change and to help the organization which I will work with its team by using all my academic information, practical training, and experience.

Skill Highlights

- Programming with JAVA
- Programming with C/C++
- Oracle
- Linux OS.
- Strong decision maker
- Complex problem solver
- Presentation and knowledge transferring skills
- Self-motivated and hard working
- Meeting deadlines

Experience

Lecturer (Full-time) – Mar 2022-Present

Ajloun National University, Ajloun-Jordan

- Teaching computer skills courses and working in the E-learning center of the university.

Lecturer (Part-time)- Sep 2019 –Feb 2022

Jordan University of Science and Technology, Irbid-Jordan

- Teaching the fundamental programming skills for novice students using C++ programming language.
- Teaching problem-solving techniques programming for novice students using C++ programming language.
- Teaching Object-Oriented Programming using C++ programming language. The teaching is mixed between traditional and online teaching due to the repercussions of Coronavirus disease(COVID-19).

Research Assistant -Oct 2019-Jan 2020

Jordan University of Science and Technology, Irbid-Jordan

- Working on a project for weather-related variables prediction system using data mining techniques.

Research reference: Aljawarneh, S., Lara, J.A. and Yassein, M.B., 2020. A visual big data system for the prediction of weather-related variables: Jordan-Spain case study. *Multimedia Tools and Applications*, pp.1-37. DIO: <https://doi.org/10.1007/s11042-020-09848-9>

Experience

Teaching Assistant - Sep 2016-Jan 2019

Jordan University of Science and Technology, Irbid-Jordan

- Acting as a teacher assistant in different courses labs including Object Oriented, C++, Data Structure, and Operating Systems.

Java Developer - (Mar 2018-Jun 2018)

Second Step LLC, Irbid-Jordan

Lecturer - Jun 2017-sep 2017

Alqusour Academy, Irbid-Jordan

- Teaching several university's courses including Data structure, Algorithms, Software Engineering, and Operating Systems

Research Assistant - Aug 2014- Jan 2016

Jordan University of Science and Technology, Irbid-Jordan

- Collecting and reviewing the needed data using SPSS software.

Researches references:

1. Alyahya, M., Hijazi, H. and Harvey, H., 2018. Explaining the accreditation process from the institutional isomorphism perspective: a case study of Jordanian primary healthcare centers. *The International journal of health planning and management*, 33(1), pp.102-120. DIO: <https://doi.org/10.1002/hpm.2397>
2. Hijazi, H.H., Alyahya, M.S., Sindiani, A.M., Saqan, R.S. and Okour, A.M., 2018. Determinants of antenatal care attendance among women residing in highly disadvantaged communities in northern Jordan: a cross-sectional study. *Reproductive health*, 15(1), p.106. DIO : <https://doi.org/10.1186/s12978-018-0542-3>

Computer teacher - Oct 2013- Jan 2014

Al-Ketah Secondary School, Jarash-Jordan

- Teaching computer science to the 7th, and 9th primary grades and to the 11th secondary grade.

Computer teacher and Computer lab supervisor - Sep 2010 - Feb 2012

Hawaa and Adam Private School, Jarash-Jordan

- Teaching computer science (from the first to the 9th) primary grades and acting as a computer lab supervisor. Within my job description, it required me to work on the OpenEMIS system to check and validate the registered students' information.

Education

Master of Science: **Computer Science** – 2019

Jordan University of Science and Technology, Irbid-Jordan

Excellent rate

Bachelor of Science: **Computer Science**- 2009

Yarmouk University, Irbid-Jordan

Good rate

Secondary Education: **Scientific Stream**, 2005

Sakeb High School, Jarash-Jordan

Very Good rate

Courses and Certifications

National Exam for the English Language: Pass the National Exam for the English language at Yarmouk University Language Center, in December 15th, 2015, with 77% grade.

Oracle PI/SQL developer: Get one hundred accredited hours in King Rania center in Yarmouk University (22/mar/2015 – 22/Jun/2015)

Cambridge IT Skills Diploma (Certificate): According to Microsoft Office software, this Certificate assesses a set of the most Important required IT Skills. This program is a fast and effective way to earn accredited Skills in IT field as it relies on the applicant's experience. Its direct target is summed up in raising the ability of using basic computer software and Office services in the world.

Publications

- Mardini, W., Aljawarneh, S., & **Al-Abdi, A.** (2021). Using multiple RPL instances to enhance the performance of new 6G and Internet of Everything (6G/IoE)-based healthcare monitoring systems. *Mobile Networks and Applications*, 26(3), 952-968. <https://doi.org/10.1007/s11036-020-01662-9>
- **Al-Abdi, A.**, Mardini, W., Aljawarneh, S., & Mohammed, T. (2019, December). Using of multiple RPL instances for enhancing the performance of IoT-based systems. In *Proceedings of the Second International Conference on Data Science, E-Learning and Information Systems* (p. 27). ACM. <https://doi.org/10.1145/3368691.3368718>
- Tashtoush, Y., Alsmadi, A., **Al-Abdi, A.**, Ababneh, N., & Almousa, O. (2018, November). An Analysis of Android Web App Manifest. In *Proceedings of the 23rd Conference of Open Innovations Association FRUCT* (p. 78). FRUCT Oy. <https://dl.acm.org/doi/10.5555/3299905.3299983>
- Najadat, H., **Al-Abdi, A.**, & Sayaaheen, Y. (2018, April). Model-based sentiment analysis of customer satisfaction for the Jordanian telecommunication companies. In *Information and Communication Systems (ICICS), 2018 9th International Conference on* (pp. 233-237). IEEE. <https://doi.org/10.1109/IACS.2018.8355429>
- Mardini, W., Aljawarneh, S., **Al-Abdi, A.**, & Taamneh, H. (2018, March). Performance evaluation of RPL objective functions for different sending intervals. In *Digital Forensic and Security (ISDFS), 2018 6th International Symposium on* (pp. 1-6). IEEE. <https://doi.org/10.1109/ISDFS.2018.8355323>
- Yassein, M. B., Mardini, W., & **Al-Abdi, A.** (2018). Security Issues in the Internet of Things: A Review. In *Critical Research on Scalability and Security Issues in Virtual Cloud Environments* (pp. 186-200). IGI Global. <https://doi.org/10.4018/978-1-5225-3029-9.ch009>
- Al Badarneh, A., **Abdi, A. A.**, & Najadat, H. (2016). Survey of Similarity Join Algorithms based on MapReduce. *MATTER: International Journal of Science and Technology*, 2(1). <https://doi.org/10.20319/mijst.2016.s21.214234>

Master Thesis

My master's degree thesis, titled as “**Using Multiple RPL Instances in Healthcare Applications**”, was in Internet of Things (IoT) field, more specifically, in one of the routing protocols in IoT called: IPv6 Routing Protocol for Low-power and Lossy Networks (RPL). The main goal was to enhance the performance of IoT-based systems, specifically healthcare systems, by enhancing the performance of the RPL in terms of two of the most important metrics: Packet Delivery Ratio (PDR), and latency. The gained enhancements were noteworthy, especially in the critical healthcare departments.

References
