



Alaa Atallah AL-Omoush

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OBJECTIVE

To obtain full-time job placement that closely related to computer science and software engineering.
Available on 1st July 2022.

EDUCATION

- Universiti Malaysia Pahang** (Sep 2015–Dec 2020)
Doctor of Philosophy in Computer & Information Sciences (Miner)
- Universiti Putra Malaysia** (Feb 2011–Jul 2013)
Master in Software Engineering (CGPA: 3.35)
- Al Albayt University** (Sep 2005–March2010)
Bachelor in Computer Science (CGPA: 3.3)

WORKING EXPERIENCE

University Lecturer 2nd Sem 2022

Part-time lecturer at The Hashemite University for teaching classes and laboratory demonstrations for undergraduate students for the following courses: OOP using Java programming language.

University Lecturer 2nd Sem 2021

Part-time lecturer at Al Albayt University for teaching classes and laboratory demonstrations for undergraduate students for the following courses: Introduction to programming and OOP using C++ programming language.

Graduate Assistant 2016-2020

Appointed as faculty postgraduate member in University Malaysia Pahang to help in teaching classes and laboratory demonstrations for undergraduate students for the following courses: Software Engineering & HCI, OOP Programming, Structured Programming, and Database Systems, IT Project Management.

Postgraduate Representative 2015/2020

Postgraduate representative in University Malaysia Pahang to assist research projects and activities.

International Student Representative 2016/2018

International student representative in University Malaysia Pahang(International events and trips).

SKILLS

Computer Skills

- Software engineering (DevOps, artificial intelligence, software testing and optimization methods).
- Computer Programming (C++, Java, and Python).
- System Analysis and Design (UML).
- Data Analysis and Data Visualization (MATLAB, Excel).
- Desktop Publishing (MicroSoft365).

Interpersonal Skills

- Able to work independent or in a group.
- Self reliance, hardworking and motivated.
- Adaptable to working under unfamiliar conditions.
- Sufficient awareness of Health and Safety issues.
- Fluent in English and Arabic languages.

VOLUNTEER REVIEW EXPERIENCE

- International Conference on Computer and Information Sciences (NCON-PGR 2016 & 2017).
- Advances in Data Science and Adaptive Analysis (ADSAA).
- IEEE Access.
- Applied Soft Computing - Elsevier.
- International Conference of Reliable Information and Communication Technology 2019. Johor-Malaysia, Malaysia

PUBLICATIONS

- Alomoush, Alaa A., et al. "Enhancing three variants of harmony search algorithm for continuous optimization problems." International Journal of Electrical & Computer Engineering (2088-8708) 11.3 (2021). (Peer-reviewed articles).
- Alomoush, Waleed, et al. "Fully automatic grayscale image segmentation based fuzzy C-means with firefly mate algorithm." Journal of Ambient Intelligence and Humanized Computing (2021): 1-23.(Peer-reviewed articles)
- Ala'a, A., et al., Comprehensive review of the development of the harmony search algorithm and its applications. IEEE Access, 2019. (Peer-reviewed articles)
- Alaa A. Alomoush, A.A.A., et al., Hybrid Harmony Search Algorithm with Grey Wolf Optimizer and Modified Opposition-based Learning. IEEE Access, 2019: p. 1-3. (Peer-reviewed articles)
- Alomoush, A.A., et al. Pressure Vessel Design Simulation Using Hybrid Harmony Search Algorithm. in Proceedings of the 2019 3rd International Conference on Big Data Research. (Reviewed conference).
- Alomoush, A.A., et al. Modified Opposition Based Learning to Improve Harmony Search Variants Exploration. in International Conference of Reliable Information and Communication Technology. 2019. Springer. (Reviewed conference)
- Alomoush, A., et al., Solving 0/1 knapsack problem using hybrid HS and Jaya algorithms. Advanced Science Letters, 2018. 24(10): p. 7486-7489. (Peer-reviewed articles).
- Alaa, A., et al. Hyperdize jaya algorithm for harmony search algorithm's parameters selection. in Proc. National Conf. Postgraduate Research (NCON-PGR 2016), University Malaysia Pahang, Pekan. 2016. (Reviewed conference).
- Artificial Bee Colony Algorithm for Pairwise Test Generation (2016).

EXHIBITION AND COMPETITION

- International Virtual Conference on Artificial Intelligence For Smart Community (IVC-AISC 2020). Universiti Teknologi PETRONAS, Malaysia.
- 1st International Conference on Computing, Information Science and Engineering 2020 (ICISE 2020), Universiti Malaysia Perlis, Malaysia.
- International Conference on Computer Science, Electrical and Electronic Engineering (ICCEE 2019), Sigma Research and Consulting, Malaysia.
- 17th IEEE student conference on research and development (IEEE SCPReD 2019), Universiti Teknologi PETRONAS, Malaysia.
- 8th Computer Science On-line Conference (CSOC 2019), Faculty of Applied Informatics, Tomas Bata University in Zlin, Czech Republic.
- 4th International Conference on Computer and Information Sciences (ICCOINS) 2018, Universiti Teknologi PETRONAS, Malaysia.
- International Conference on Applied Science and Technology 2016, Universiti Utara Malaysia.
- The postgraduate exhibition (FYPro-Com), Session 2016, Universiti Malaysia Pahang.

TRAINING AND SHORT COURSES

- AI-100T01: Designing and Implementing an Azure AI Solution Course. 27 - 29 April 2020, organized by Iverson Associations.
- Fundamentals of Digital Marketing on 07th November 2019, organized by Google.
- Fundamentals of Blockchain, on 11th May 2019, organized by UMP, Malaysia.
- Latex article writing, 15th April 2019, organized by UMP, Malaysia.
- Analytical Research Techniques Using SPSS, 23rd October 2018, organized by UMP, Malaysia.
- Data science/ Statistics using the R language, 15th November 2018, organized by UMP, Malaysia.
- IEEEExplore course, on 17th November 2017, organized by UMP, Malaysia.
- Boost up your writing skill course, on 20th April 2017, organized by UMP, Malaysia.
- Course completion on CCNA, 2010, Organized by Hashemite University Jordan.
- Course completion on Microsoft Certified Professional (MCP),2010Hashemite University Jordan.

REFERENCES

Dr. Mohammad Al Shinwan
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Skyline University college,
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