



Dr. Omar AlZoubi

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EDUCATION

Ph.D. in Computer Science, The University of Sydney, Australia, 2012

Master of Information Technology, The University of Sydney, Australia, 2008

B.Sc. in Computer Science, Yarmouk University, Jordan, 1997

TEACHING EXPERIENCE

1- Associate Professor, Effat University, Saudi Arabia (2025–Present)

Job Description: Teaching Courses: Data Structures, Algorithm Analysis, and General Artificial Intelligence.

2- Associate Professor (Dean), Applied Science University, Bahrain (2023–2025)

Job Description: Led the College of Arts and Sciences, developed programs, and managed operations. Teaching Computer Science Courses (Object Oriented Programming, Data Structures, Artificial Intelligence, Algorithms Analysis and Design, and Data Mining, Advanced Artificial Intelligence (Master's), and Advanced Algorithms Analysis (Master's).

3- Associate Professor (Vice Dean, HoD), Jordan University of Science and Technology, Jordan (2018–2023)

Job Description: Served as the Vice Dean of the College of Computer and Information Technology in the Academic year 22/23. Served as Head of Department of Computer Science. Served on various committees at the CS department, such as the curriculum development committee. Overseeing ABET Accreditation for the CS program. In my position at Jordan University of Science and Technology, I taught the following units of study: Introduction to Object-Oriented Design, Data Structures, Algorithm Analysis and Design, Artificial Intelligence, Capstone Project 1, and Capstone Project 2. Advanced AI (Master's level), Seminar (Master's level).

4- Assistant Professor, Yarmouk University- Jordan (2016–2018) Job Description: I taught a variety of courses at

Job Description: Yarmouk University/Jordan, including Object Oriented programming, C++ programming, Visual Programming, Fundamentals of Operating systems, and Information Systems Environment.

RESEARCH EXPERIENCE

Postdoctoral Research Associate, Carnegie Mellon University, Qatar (2012–2015)

Job Description: Project: Intelligent Tutoring System (ChiQat).

Research Interests: Affective Computing, Artificial Intelligence in Education, NLP, Medical Image Analysis, and Data Mining.

PUBLICATIONS

50+ publications with 1000+ citations (h-index 14).

(GOOGLE SCHOLAR: <http://scholar.google.com/citations?hl=en&user=349QjhcAAAAJ>)

Selected recent:

- 1- Migdady, A., Khamayseh, Y., AlZoubi, O., & Yassein, M. B. (2024). An adaptive query approach for extracting medical images for disease detection applications. *Arabian Journal for Science and Engineering*, 1–16.
- 2- AlZoubi, O., Abu Awad, M., Abdalla, A. M., et al. (2024). Varicocele detection in ultrasound images using deep learning. *Multimedia Tools and Applications*, 83, 63617–63634.
- 3- AlZoubi, O., AlMakhadmeh, B., Bani Yassein, M., & Mardini, W. (2023). Detecting naturalistic expression of emotions using physiological signals while playing video games. *Journal of Ambient Intelligence and Humanized Computing*, 14(2), 1133–1146.
- 4- Alaiad, A., Migdady, A., Al-Khatib, R. M., AlZoubi, O., Zitar, R. A., & Abualigah, L. (2023). Autokeras approach: A robust automated deep learning network for diagnosis of disease cases in medical images. *Journal of Imaging*, 9(3), 64.

PATENTS

PCT patent application titled 'A SYSTEM AND METHOD FOR DETECTING VARICOCELE USING ULTRASOUND IMAGES IN SUPINE POSITION', PCT/JO2021/050003.

PRESENTATIONS

Presented at various conferences and venues:

- 1- Awad, M. A., Samrraie, L., Abdalla, A. M., AlZoubi, O., Migdady, A., & Yassein, M. B. (2023). A deep learning approach for varicocele detection from ultrasound images. In 2023 14th International Conference on



- 2- Information and Communication Systems (ICICS) (pp. 1–6). Awad, M. A., Samrraie, L., Abdalla, A. M., AlZoubi, O., Migdady, A., & Yassein, M. B. (2023). Ovarian cancer detection in CT scan images using transfer learning. In 2023 14th International Conference on Information and Communication Systems (ICICS) (pp. 1–6).
- 3- Migdady, A., AlZoubi, O., El Kadhi, N., & Shorman, S. M. (2024). DRDM: Deep learning model for diabetic retinopathy detection. In 2024 ASU International Conference in Emerging Technologies for Sustainability and Intelligent Systems (ICETSIS) (pp. 78–82).
- 4- Shatnawi, R., Jalamneh, A., AlZoubi, O., & others. (2024). Predicting software reusability using classification techniques. In 2024 15th International Conference on Info. and Communication Systems (ICICS) (pp. 1–5).

GRANTS AND FELLOWSHIPS

- 'Affect Detection from Physiological Signals during Playing a Video Game', US\$12,000.
- 'Classification of Varicocele in Supine Position on Ultrasound Images Using Deep Neural Networks', US\$9,000.

AWARDS AND HONORS

- Research Conversazione 2010 ResMed Prize, The University of Sydney.
- IBM Next Generation Application Award, 2009.
- Norman I Price Scholarship, The University of Sydney.
- AIED 2011 Travel Award.

THESIS SUPERVISIONS

Supervised 10+ Masters theses (Affective Computing, Medical Image Analysis). Supervised numerous undergraduate capstone projects.

PROFESSIONAL MEMBERSHIPS

- International Artificial Intelligence in Education Society (IAIED), Australian Computer Society (ACS)

RELEVANT SKILLS

Python, Java, C++, Tools: TensorFlow, PyTorch, MATLAB, Other: Data Mining, Machine Learning, Deep Learning, NLP, Educational Data Mining

REFERENCES

Available upon request.