FAISAL A. ALOBAID, PhD

ASSISTANT PROFESSOR OF COMPUTER SCIENCE

COLLEGE OF BUSINESS STUDIES – PAAET, KUWAIT | ✉:FA.ALOBAID@PAAET.EDU.KW

PROFESSIONAL SUMMARY

Highly motivated and innovative **Computer Engineer with a PhD in Computer Science in Artificial Intelligence (AI)**. Active in Kuwait's academic and professional circles. Dedicated and highly skilled at learning, teaching, communicating, and implementing creative ideas.

RESEARCH INTERESTS

Theoretical and applied AI including Machine Learning (ML), Deep Learning, Agent / Multi-Agent Systems, and Decision Theory. Also, have great interests in Smart Devices (IoT), Embedded Systems, Robotics, AI in Cybersecurity, and Bioinformatics.

CAREER SUMMARY

COMPUTER DEPARTMENT, COLLEGE OF BUSINESS STUDIES, PAAET

ASSISTANT INSTRUCTOR (2005 – 2008)

ASSISTANT PROFESSOR (2012 – PRESENT)

KEY RESPONSIBILITIES:

- Present lectures and labs using strong motivational skills to encourage learning, innovation, and creativity in the classroom.
- Teach a Senior Design Project class where students develop a complete e-commerce web application.
- Develop new and enhance department curricula to meet students' and markets' needs.
- Guide and analyze curricula development at the institutional level as a member of:
    - Curricula Restructuring Committee at CBS, (2015-2018).
    - High Committee for Colleges' Curricula Development at PAAET, (2016-2018).
- Conduct original research in the field of Artificial Intelligence.
- Volunteer in community events and activities related to Science and Technology.

IT DEPARTMENT, KUWAIT NATIONAL PETROLEUM COMPANY (KNPC)

SYSTEM ANALYST / PROGRAMMER (2000 – 2003)

KEY ACHIEVEMENTS:

- Named "Employee of the Year" in first year of professional experience.
- Received numerous notes of commendation from department heads for developing web-based systems that enabled departments to exceed their business objectives.
- Chosen to develop and present company training seminars (in English) for more than 250 employees.

PROFESSIONAL AFFILIATION

- IEEE
- AAAI
- Kuwait Society of Engineers
- Kuwait IT Society
- Arab Robotics Association
- Phi Beta Delta Honor Society
- Phi Kappa Phi Honor Society
- Golden Key Honor Society

PROGRAMMING SKILLS

- C / C++
- Java
- Julia
- Python
- MATLAB
- Java Script
- JSP, ASP, PHP
- SQL
- HTML / CSS
- more…

Fluent in: Arabic and English

EDUCATIONAL BACKGROUND

DOCTOR OF PHILOSOPHY (PHD) IN ARTIFICIAL INTELLIGNECE (AI)

SYRACUSE UNIVERSITY (SU), NY, USA (2008-2012)

Dissertation in Applied AI in Bioinformatics:
"Alignment, Clustering and Extraction of Structured Motifs in DNA Promoter Sequences"
Honors: Summa Cum Lauda (PAAET Scholarship)

MASTER OF SCIENCE (MSC) IN INTELLIGENT SYSTEMS

UNIVERSITY OF SOUTHERN CALIFORNIA (USC), LOS ANGELES, CA, USA (2004 – 2005)

Honors: Magna Cum Lauda (PAAET Scholarship)

BACHELOR OF SCIENCE (BSC) IN COMPUTER ENGINEERING (MINOR IN MATHEMATICS)

UNIVERSITY OF MASSACHUSETTS (UMASS), DARTMOUTH, MA, USA (1996 – 2000)

Honors: Cum Lauda (Ministry of Higher Education Scholarship)

SELECTED ACHIEVEMENTS

- **2022** – Invited speaker to the Gulf Bank Datathon debate titled "The Great Debate" where I defended the programming language Julia as an excellent language for AI and Data Science versus R-lang and Python.
- **2021** – Invited online speaker by Syracuse University to give a talk titled "Julia: Empowering Next-Generation Research and Development."
- **2018** – Organizing Committee Member and Head of Technical Committee for the 12th Arab Open Robotics Championship held in Kuwait in 2019.
- **2018** – Invited speaker by AlSabah Informatics Award at Kuwait International Book Fair, speech titled "Artificial Intelligence in our Lives: Present and Future."
- **2018** – Organizing Committee Member for the first Artificial Intelligence Symposium in Kuwait.
- **2018** – Committee Member for rules reforming of the annual Arab Open Robotics Championship.
- **2017** – Judging Committee Member for the 2nd Cultural and Scientific Exhibition for GCC Univ. Students.
- **2012**, 2013 – Presenter at the 4th and 5th International Conference on Bioinformatics and Computational Biology (BICoB).
- **2012** – Nunan Research Poster Competition 1st Place Grand Prize Recipient at Syracuse University.
- **2006** to **Present** – Technical Consultant for His Highness Sheikh Salem AlAli AlSabah Informatics Award.
- **2000** to **2006** – Organizing Committee Member for AlSabah Informatics Award.

SELECTED PUBLICATIONS

F. Alobaid, "Alignment, Clustering and Extraction of Structured Motifs in DNA Promoter Sequences" (2012). Electrical Engineering and Computer Science - Dissertations. Paper 322.

F. Alobaid, K. Mehrotra, C. Mohan, and R. Raina, "SMAlign: Alignment of DNA sequences with gap constraints," in The Proceedings of the ISCA 4th International Conference on Bioinformatics and Computational Biology, ser. BICoB 2012, USA: ISCA, March 2012, pp. 43–50.

F. Alobaid, K. Mehrotra, C. Mohan, and R. Raina, "Structured Motif Extraction using Affinity Based Cluster Analysis," in The Proceedings of the ISCA 5th International Conference on Bioinformatics and Computational Biology, ser. BICoB 2013, USA: ISCA, March 2013, pp. 59–66.

M. Alenezi, H. Alabdulrazzaq, H. Alhatlani, **F. Alobaid**, "On the Performance of AES Algorithm Variants." International Journal of Information and Computer Security, 2023. In press. Inderscience Publishers.