Dr. Baha Ihnaini

Personal Data:

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🎁 December 5th, 1982

🌐 Jordanian

📍 Abu Dhabi, UAE

in linkedin.com/dr-ihnaini

○ github.com/baha2107

📜 PhD equivalency in UAE:
#201932098-1191394
Ver.Num: 347699

Technical Skills:

JAVA, C++, HTML, CSS.

Python (NLTK, NumPy, SciKit-Learn, SciPy, Pandas, Keras, PySpark).

SQL (MySQL, SQLite3).

NoSQL (MongoDB).

Data Mining (RapidMiner).

Statistics, Probability, Linear Algebra, Algorithm Design.

Machine Learning (Clustering, Classification, Regression).

Data Visualization (Tableau, Matplotlib, Bokeh).

Adobe Premiere & Photoshop

Microsoft Office (Access, Outlook, OneDrive, Word, Excel, PowerPoint).

Education:

2014 - 2019:   Ph.D. in Computer Science, Field of Data Science
College of Art & Sciences, University Utara Malaysia (UUM), Sintok, Malaysia.
Thesis title: *An expandable Arabic lexicon and valence shifter rules for sentiment analysis on Twitter.*

2006 - 2008:   M.Sc. in MIS, Field of e-Business
Faculty of Information Technology, The Arab Academy for Banking and Financial Sciences, Amman, Jordan.

2000 - 2005:   B.Sc. in Computer Engineering,
Faculty of Engineering, Philadelphia University, Amman, Jordan.

Experience:

**(January 2020, till present)
Adjunct Assistant Professor at Emirates College of Technology**

- Teaching:
  Object Oriented System Analysis and Design, Quantitative Business Analysis.

**(January 2020, till present)
Adjunct Assistant Professor at Al Ain University**

- Teaching:
  Multimedia, Web Design.

**(October 2019, till present)
Trainer and Consultant at International Talents Institute, (Abu Dhabi)**

Main Duties:
- Conduct training in various IT fields, such as:
  - Artificial Intelligence
  - Machine Learning
  - Internet of Things
  Provide Data Science consultation for private and government clients.

Languages:

Arabic: ███████████

English: ██████████

Soft skills:

Ability to work well with others as well as individually.

Critical thinking and problem-solving skills.

Adaptability and propensity to learn new coding languages and programs.

Understanding of general business processes.

Communication skills and ability to boil down complex subjects to simple terms.

Research Interest:

Artificial Intelligence,

Artificial Neural Networks,

Big Data,

Data Mining,

Data Science,

Deep Learning,

Machine Learning,

Natural Language Processing,

Sentiment Analysis,

Text Classification.

(September 2015, to July 2019)
Research Officer at Universiti Utara Malaysia

InterNetWorks Research Lab, School of Computing, UUM, Sintok, Malaysia

Achievements:
- Develop research work plans according to project needs.
- Build an automatically annotated large dataset of Arabic tweets.
- Use matching phonology algorithm to build a dialectical sentiment lexicon.
- Construct a model to predict the polarity of new dialectical Arabic words.
- Enhance the performance of Arabic sentiment analysis by engineering novel rules for handling the valence shifter words, negation, intensification, and contrast words.
- Published two papers in journals indexed by Scopus.

(September 2011, to June 2015)
Lecturer at Al Khawarizmi International College,

Information Technology Department, Abu Dhabi, UAE

Main Duties:
- Develop the curriculum of the courses.
- Supervise students in their graduate projects.
- Participate in student registration and placement activities.
- Teaching set of the courses:
Computer Programming using C, Object-Oriented Programming using JAVA, Software Development Process, Software Project Management, Computer Architecture and Operating Systems, Computer Graphics, Mathematics and Statistics for IT, Discrete Mathematics, Introduction to DBMS, Database Programming, Multimedia Authoring, Management of e-Commerce, Management Information System.

(October 2012, to June 2013)
Adjunct Lecturer at BTEC, (Abu Dhabi)
- Teaching: Information and Knowledge Management.

(November 2008, to October 2010)
Software Developer at CTS, (Nablus)

Main Duties:
- Gather requirements.
- Design a system.
- Document business processes.
- Crank out usable code.
- Testing.

Workshops:

- Understanding Learning Outcomes Delivery and Assessment with Focus on The Topic Level, held at KIC, Abu Dhabi, 2014.

- Promote Industry Oriented Internship for Regional Human Capital Development Workshop, held at Al Khawarizmi International College, Al Ain, 2014.

- Participate in organizing Abu Dhabi International Book Fair. Hosted by Abu Dhabi Tourism & Culture Authority, 2015.

- Writing systematic literature review workshop, UUM, Malaysia, 2016.

Editorial board member:

-"International Journal of Data Science and Analysis (IJDSA)", **http://www.sciencepublishinggroup.com/j/ijdsa**

-"International Journal of Engineering and Artificial Intelligence (IJEAI)", **https://www.ijeai.com/editorial-board**

-"International Engineering Journal For Research & Development (IEJRD) ", **http://iejrd.com/index.php/%20/about/editorialTeam**

References:

-Available upon request.

Publications:

-Ihnaini, B., & Mahmuddin, M. (2018). Lexicon-Based Sentiment Analysis of Arabic Tweets: A Survey. Journal of Engineering and Applied Sciences, 13(17), 7313-7322. (Indexed by Scopus).

-Ihnaini, B., & Mahmuddin, M. (2018). An Expandable and Up-to-Date Lexicon for Sentiment Analysis of Arabic Tweets, COMPUSOFT, 7 (11), 2884-2891. (Indexed by Scopus).

-Ihnaini, B., & Mahmuddin, M. (2020). Valence Shifter Rules for Arabic Sentiment Analysis, International Journal of Multi-disciplinary Sciences and Advanced Technology, 1 (2), 167-184.

-Ihnaini, B., & Mahmuddin, M. (2020). Phonology Matching Algorithm to Construct Palestinian Sentiment Lexicon, International Journal of Multidisciplinary Sciences and Advanced Technology, 1 (3), 35-51.

-Ihnaini, B., (2020). Pre-Processing Arabic Tweets for Sentiment Analysis,(Submitted).

Technical Reports:

-Baha Ihnaini. Report on Sentiment Analysis for Arabic Tweets. Technical Report UUM/SOC/InterNetWorks/TR2017-1, Universiti Utara Malaysia, School of computing.

Conferences:

- The 4th International conference on Development in eSystem Engineering (DeSE) (2011), Rotana Beach Hotel, Dubai, UAE.

- The annual conference of Al Khawarizmi International College (2012), Rotana Beach Hotel, Abu Dhabi, UAE.

- The 6th International conference on Development in eSystem Engineering (DeSE) (2013), Rotana Beach Hotel, Abu Dhabi, UAE.

- The 2nd International BCS IT conference (2014), Ritz Carlton Hotel, Abu Dhabi, UAE.

- The 1st International conference on Future Internet Systems and Applications (ICFISA) (2018), EDC Hotel, Kuala Lumpur, Malaysia.

- MENA'S largest FinTech Festival (2019), Abu Dhabi National Exhibition Centre, Abu Dhabi, UAE.