

1998- 2001: RAMOOZ Electronic publisher company , Riyadh, Saudi Arabia
Web programmer

1993- 2000: Special Security Forces (Minister of Interior) , Riyadh, Saudi Arabia
Software Developer

Research interests:

Data Mining (Association Rule Mining, Web Mining), machine learning, System Analysis, Database, Web application, Bioinformatics.

Computer Skills

- Working with different programming languages such as Java, SQL, C, C++, PHP, HTML, and ASP. Also familiar with Java script, Visual Basic and Cold Fusion 4.5.
- Using different Operating Systems such as Windows XP, Windows Vista and UNIX.
- Communicating with number of Databases: Oracle, MySQL, MS Access, binary and text files.
- Using some special software such as
 - WEKA (Environment for Knowledge Analysis) a machine learning software,
 - Magnum Opus data mining software for association discovery.
- Software analysis and design tools.

Teaching Experience

- “Computer Programming I” course for BS students, Imam University (2009)
- Invited teacher in “Machine Learning and Pattern Recognition” Master student at Kansas State University (2009)
- “Computer Introduction” course for BS students, Imam University (2000).
- “Microsoft Office” course for secretary diploma students, Imam University (2000).
- “Computer tools in research” for History master students, Imam University (2000).
- Tutorials about “Microsoft windows95” for the Employees of Special Security Forces (1997)

Conferences and Workshops attendance

1. The Third IEEE International Conference on Data Mining. Sponsored by the IEEE Computer Society. Melbourne, Florida, USA November 19 - 22, 2003
2. NIST Machine Translation Workshop, Washington, D.C. September 2006
3. Accessing Multi-Modal Structured and Unstructured Information: Building Data-Aware Search Systems, tutorial by Professor Kevin Chang, University of Illinois at Urbana – Champaign (2007).
4. Data Mining: Principles, Methods, and Applications, tutorial by Professor Jiawei Han, University of Illinois at Urbana – Champaign (2007).
5. Information Retrieval and Web Search, by Professor ChengXiang Zhai, University of Illinois at Urbana – Champaign (2007).

6. The 18th International Conference on Artificial Neural Networks in Engineering (ANNIE 2008). St. Louis, MO, Nov, 2008.
7. The Second Workshop on Social Network Mining and Analysis, held in conjunction with the Association for Computing Machinery International Conference on Knowledge Discovery and Data Mining (SNA-KDD 2008). Las Vegas, NV, August 2008.
8. The Association for the Advancement of Artificial Intelligence Spring Symposium on Social Semantic Web (AAAI SSW 2009), Stanford, CA
9. IEEE Symposium on Computational Intelligence in Bioinformatics and Computational Biology, Nashville, TN, USA, Mar 30-Apr 2, 2009

Memberships:

Association for Computer Machinery (ACM).
 Database and Data Mining Laboratory at Ball State University.
 SQL Server Worldwide User's Group (SSWUG)
 KDD (Knowledge Discovery and Data Mining) at Kansas State University

Publications:

1. Aljandal, "Itemset Size-Sensitive Interestingness Measures for Association Rule Mining and Link Prediction" Ph.D. dissertation, December, 2009.
2. Aljandal, W., Hsu, W. H., Bahirwani, V., Caragea, D., & Weninger, T. "Validation-Based Normalization and Selection of Interestingness Measures for Association Rules", In Proceedings of the 18th International Conference on Artificial Neural Networks in Engineering (ANNIE 2008). St. Louis, MO, Nov, 2008.
3. Bahirwani, V., Caragea, D., Aljandal, W. & Hsu, W. H. Ontology Engineering and Feature Construction for Predicting Friendship Links in the Live Journal Social Network. In: Proceedings of the Second Workshop on Social Network Mining and Analysis, held in conjunction with the Association for Computing Machinery International Conference on Knowledge Discovery and Data Mining (SNA-KDD 2008). Las Vegas, NV, August 2008.
4. Aljandal, W., Hsu, W. H., Bahirwani, V., & Caragea, D. Ontology-Aware Classification and Association Rule Mining for Interest and Link prediction in Social Networks. In Proceedings of the Association for the Advancement of Artificial Intelligence Spring Symposium on Social Semantic Web (AAAI SSW 2009), Stanford, CA,
5. Aljandal, W., Hsu, W.H. and Xia, J. Predicting Protein-Protein Interactions Using Numerical Associational Features, IEEE Symposium on Computational Intelligence in Bioinformatics and Computational Biology, Nashville, TN, USA, Mar 30-Apr 2, 2009
6. Weninger, T., Hsu, W. H., Aljandal, W. and Xia, J. An Evolutionary Approach to Constructive Induction for Link Discovery, In proceedings of 18th Genetic and

Evolutionary Computation Conference (GECCO-2009), Poster paper, Montreal, Canada, July 8-12, 2009

7. D. Caragea, V. Bahirwani, W. Aljandal, W. Hsu. Ontology-Based Link Prediction in the LiveJournal Social Network (SARA 2009) - Symposium on Abstraction, Reformulation and Approximation, Lake Arrowhead, CA, July 7 - 10
8. Aljandal, W., Caragea, D., Foster, R. L. Jr., Hsu, W. H., Xia, J. Association Rule Learning-Based Link Mining Approaches to Gene Regulatory Network Modeling. In preparation for Das, S., Welch, S. M., Caragea, D., & Hsu, W. H. (eds.), Computational Models of Gene Regulatory Networks. IGI Publishers, New York. To appear, 2009. (Book chapter)

Projects

- Member of Virtual Web Project group, part of Summer Institute projects at University of Illinois at Urbana – Champaign (2007)
- Lead a team for creating and designing IMAM University first web page (2000).
- Develop and implement many web application by using (PHP, ASP, Cold Fusion) (1998 -2001).
- Develop the financial section in Special Security Forces Hajj Mission system (1997)
- Analyze and develop Special Security Forces Delegation system (1996).
- Analyze and develop Special Security Forces Employee Car Sticker System (1995).

Honors and Awards:

Second class honor from King Saud University (2000).

Five Thankfulness and Appreciation certificate from the leader of

Special Security Forces for what I had been doing in the computer department (1995, 1996, 1997, 1998 and 1999).