

Jamal M. Alsakran

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Educational Vitae:

- 2012 PhD. Computer Science; Kent State University, Kent, Ohio.
Dissertation title: “Supporting Interactive Visual Analytics for High Dimensional Data Exploration”
- 2006 M.S. Computer Science; Jordan University of Science and Technology; GPA 86.8/100
Thesis title: “A Collaborative Courses Recommendation System Using Mining Association Rules”
- 2003 B.S. Computer Science; Yarmouk University, Jordan; 2003 GPA 84.7/100

Work Experience:

- August 2016 – Now Dean Assistant for Laboratories Affairs
- August 2014 – August Director Assistant for Technical Affairs – Computer Center,
The University of Jordan, Amman 11942 Jordan.
- August 2012 – Now Assistant Professor, Computer Science Department, The
University of Jordan, Amman 11942 Jordan.
- August 2011 – August 2012 Research Assistant, Computer Science Department, Kent State
University, Kent OH 44242
- May 2011 – August 2011 Intern at Siemens Corporate Research, a Division of Siemens
Corporation, 755 College Road East in Princeton, New Jersey
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- August 2008 – May 2011 Graduate Assistant, Computer Science Department, Kent State
University, Kent OH 44242
- May 2010 – August 2010 Student Employee, Office of International Affairs, Kent State
University, Kent OH 44242
- Jan 2006 – August 2007 Instructor, Computer Science Department, The University of
Jordan, Amman Jordan

Research Interests:

Computer Graphics, Scientific and Information Visualization, Image Processing, Data Mining and Clustering and Machine Learning

Publications:

Journal Article:

1. Jamal Alsakran, Enhancing Visual Properties of Graph Communities, Journal of Theoretical and Applied Information Technology, 2017 (Accepted).
2. Amer Al-Badarenah, Jamal Alsakran, An Automated Recommender System for Course Selection, International Journal of Advanced Computer Science and Applications, Volume 7, Issue 3, 2016
3. Nouh Alhindawi, Obaida M Al-Hazaimeh, Rami Malkawi, Jamal Alsakran, A Topic Modeling Based Solution for Confirming Software Documentation Quality, International Journal of Advanced Computer Science and Applications, Volume 7, Issue 2, 2016
4. Rodan, A., Fayyoumi, A., Faris, H., Alsakran, J., & Al-Kadi, O. "Negative Correlation Learning for Customer Churn Prediction: A Comparison Study," The Scientific World Journal, vol. 2015, Article ID 473283, 7 pages, 2015
5. Alsakran, J., Rodan, A., Alhindawi, N., & Faris, H. (2014). Visualization analysis of feed forward neural network input contribution. Scientific Research and Essays, 9(14), 645 – 651.
6. Alhindawi, N., Alsakran, J., Rodan, A., & Faris, H. (2014) A Survey of Concepts Location Enhancement for Program Comprehension and Maintenance. Journal of Software Engineering and Applications, 7, 413-421.
7. Al-hazaimeh, O., Alomari, S. A., Alsakran, J., & Alhindawi, N. (2014). Cross Correlation-new Based Technique for Speaker Recognition. International Journal of Academic Research, 6(3).
8. Rodan, A., Hossam, F., Alsakran, J., & Alkadi, O., A Support Vector Machine Approach for Churn Prediction in Telecom Industry, INFORMATION-An International Interdisciplinary Journal, 17(8), 2014.
9. Jamal Alsakran, Yang Chen, Dongning Luo, Ye Zhao, Jing Yang, Wenwen Dou, and Shixia Liu. " Real-time Visualization of Streaming Text with Force-Based Dynamic System ". IEEE Computer Graphics and Applications (CG&A), 32(1), pages 34-45, 2012, IEEE.

Conference:

10. J Alsakran, N Alhindawi, L Alnemer, Parallel coordinates metrics for classification visualization. 7th International Conference on Information and Communication Systems (ICICS), 2016.
11. Jamal Alsakran, Xiaoke Huang, Ye Zhao, Jing Yang, Karl Fast, Using Entropy-Related Measures in Categorical Data Visualization, Proceedings of IEEE Pacific Visualization, pages 81-88, March, 2014.
12. Scott Barlowe, Jing Yang, Donald J. Jacobs, Dennis R. Livesay, Jamal Alsakran, Ye Zhao, Deeptak Verma, James Mottonen. "A Visual Analytics Approach to Exploring Protein Flexibility Subspaces", Proceedings of IEEE Pacific Visualization, March, 2013, IEEE.
13. Yang Chen, Jamal Alsakran, Scott Barlowe, Jing Yang, and Ye Zhao. "Supporting Effective Common Ground Construction in Asynchronous Collaborative Visual Analytics", IEEE Conference on Visual Analytics Science and Technology, pages 101-110, October 2011.
14. Jamal Alsakran, Yang Chen, Ye Zhao, Jing Yang, and Dongning Luo. "STREAMIT: Dynamic visualization and interactive exploration of text streams ", Proceedings of IEEE Pacific Visualization Symposium, to appear, March, 2011, IEEE
15. Jamal Alsakran, Ye Zhao, Xinlei Zhao. "Tile-based parallel coordinates and its application in financial visualization", Proceedings of the Visual and Data Analysis conference at IS&T/SPIE Electronic Imaging 2010, San Jose, CA, Jan, 2010, SPIE
16. Jamal Alsakran, Ye Zhao, Xinlei Zhao. "Visual Analysis of Mutual Fund Performance", Proceedings of the 13th International Conference on Information Visualization (IV09), pages 252-259, Barcelona, Spain, July, 2009, IEEE Computer Society
17. Amer Al-Badarneh, Jamal Alsakran. "Graph-Clustering Association Rules Mining Algorithm", Proceedings of 14th International Business Information Management Conference IBIMA2010, Turkey, 2010
18. Amer. Al-Badarneh, Jamal Alsakran. "Course Selection Using Recommendation System", Proceedings of the 2008 International Arab Conference of e-Technology (IACe- T), Jordan, pp. 7-10, 2008.

Posters:

1. Jamal Alsakran, Ye Zhao, Xiaoke Huang, Alex Midget, Jing Yang. "Using Entropy in Enhancing Visualization of High Dimensional Categorical Data", IEEE Symposium on Information Visualization, 2012.
2. Jamal Alsakran, Ye Zhao, Dongning Luo, Jing Yang. " Poster: Visual Analysis of Stream Texts with Keywords Significance ", IEEE Symposium on Information Visualization, 2010.

3. Jamal Alsakran, Ye Zhao, Xinlei Zhao. "Poster : Visual Analysis for Mutual Fund Performance", IEEE Symposium on Visual Analytics Science and Technology 2008.

Presentations:

1. Jamal Alsakran, Ye Zhao, Xinlei Zhao. "Tile-based parallel coordinates and its application in financial visualization", Proceedings of the Visual and Data Analysis conference at IS&T/SPIE Electronic Imaging 2010, San Jose, CA, Jan, 2010
2. Jamal Alsakran, Ye Zhao, Xinlei Zhao. "Visual Analysis of Mutual Fund Performance", Proceedings of the 13th International Conference on Information Visualization (IV09), pages 252-259, Barcelona, Spain, July, 2009
3. Jamal Alsakran, Ye Zhao, Xinlei Zhao. "Poster : Visual Analysis for Mutual Fund Performance", IEEE Symposium on Visual Analytics Science and Technology 2008, Columbus, OH, USA

Awards and Honors:

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| April 2010 | Outstanding Academic Achievement, Phi Beta Delta, Beta Zeta Chapter, Kent State University |
| April 2009 | Outstanding Academic Achievement, Phi Beta Delta, Beta Zeta Chapter, Kent State University |
| April 2008 | Outstanding Academic Achievement, Phi Beta Delta, Beta Zeta Chapter, Kent State University |

Activities

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| May 2010 – May 2012 | Senator in the Graduate Student Senate representing the Computer Science Department |
| August 2010 – May 2012 | Member of the International Peer Advisors, Kent State University |

Courses Taught:

Computer Graphics
Special Topics: 3D Game Programming Using Unity
Introduction to Algorithms
Numerical Analysis
Data Structures
Advanced Programming with C++
C++ Programming

References: Available upon request.