Ayoub Bagheri   Curriculum Vitae

LinkedIn: http://www.linkedin.com/pub/ayoub-bagheri/3b/740/691
Scholar: http://scholar.google.com/citations?user=QWhiQdgAAAAJ&hl=en&oi=ao

Address:

University of Kashan, Kashan, Isfahan, Iran.
E-mail: ayoub.bagheri@gmail.com, a.bagheri@kashanu.ac.ir

Academic Qualifications:

Year graduated: 2007
Qualification: B.Sc.
Subject: Computer Engineering (Software)
Name of university/department: Ferdowsi University of Mashhad, Computer Engineering Dep. Mashhad Iran.
Dissertation title: "License Plate Detection"
Supervisor: Dr. Mojtaba Rouhani

Year of Graduation: 2009
Qualification: M.Sc., GPA 18.12 (20)
Subject: Computer Engineering (AI)
Name of university/department: Isfahan University of technology, Electrical and computer Engineering Dep. Isfahan Iran.
Dissertation title: "Implementation and Improvement of Some Algorithms for Feature Selection Problem in Text Classification"
Supervisor: Dr. Mohamad Saraee
Advisor: Dr. Maziar Palhang

Year of Graduation: 2014
Qualification: Ph.D., GPA 18.02 (20)
Subject: Computer Engineering (Data Mining)
Name of university/department: Isfahan University of technology, Electrical and Computer Engineering Dep. Isfahan Iran.
Dissertation title (still working): "Aspect-based Sentiment Analysis for Online Reviews Based on Weakly Supervised Approaches"
Supervisor: Dr. Mohamad Saraee (University of Salford, Manchester, UK)
Advisor: Prof. Dr. Franciska de Jong (University of Twente, The Netherlands)
Sabbatical abroad study: University of Twente, Computer Science Dep., HMI group, The Netherlands, 2012.

Research Interests:

- Sentiment Analysis
- Natural Language Processing
- Affective Computing
- Text Mining

- Data Mining
- Machine learning
- Probabilistic Methods

Publications:

- **Journals:**

  1. *ADM-LDA: An Aspect Detection Model based on Topic Modeling by Using Structures of Reviews*, Journal of Information Science, ISI (IF: 1.238), SAGE Publication, April 2014.

  2. *Care more about customers: unsupervised domain-independent aspect detection for sentiment analysis of customer reviews*, Knowledge-Based Systems Journal, ISI (IF: 4.104), Elsevier, Volume 52, November 2013, Pages 201–213, Doi: http://dx.doi.org/ 10.1016/j.knosys.2013.08.011

  3. *JASE: A Joint Aspect-Sentiment Extraction Model for Sentiment Analysis in Online Reviews*, IEEE Transactions on Affective Computing, IEEE, Second revision, December 2013.

  4. *A Hybrid Recommender System for Dynamic Web Users*, International Journal of Multimedia and Image Processing (IJMIP), Volume 1, Issue 1, March 2011.

  5. *FARS: Fuzzy Ant based Recommender System for Web Users*, IJCSI International Journal of Computer Science Issues, Vol. 7, Issue 6, November 2010.

  6. *Finding Shortest Path with Learning Algorithms*, International Journal of Artificial Intelligence, Volume 1, Number A08, Autumn 2008.

  7. *Persian Sentiment Analyzer: A Framework based on a Novel Feature Selection Method*, International Journal of Artificial Intelligence (IJAI), Accepted, 2014.

  8. *PSA: A Hybrid Feature Selection Approach for Persian Text Classification,* Journal of Computing and Security, Special Issue in Data Mining and Knowledge Discovery, 2015.

  9. *SentimentMiner: A Novel Framework for Aspect Detection from Customer Reviews*, Expert Systems with Applications, ISI (IF: 1.854), Submitted, 2014.

  10. *IECFS: A novel algorithm-data-Independent Ensemble Classifier-based Feature Selection*, ETRI Journal, ISI (IF: 0.742), Submitted, 2014.

- **Conference Papers:**

  1. *Latent Dirichlet Markov Allocation for Sentiment Analysis,* in proceeding of the Fifth European Conference on Intelligent Management Systems in Operations, Manchester, UK, July 2013.

  2. *An Unsupervised Aspect Detection Model for Sentiment Analysis of Reviews*, in proceeding of 18th International Conference on Application of Natural Language to Information Systems, Springer, Manchester, UK, June 2013.

  3. *Feature Selection Methods in Persian Sentiment Analysis*, in proceeding of 18th International Conference on Application of Natural Language to Information Systems, Springer, Manchester, UK, June 2013.

  4. *Sentiment Classification in Persian Introducing a Mutual Information-based Method for Feature Selection*, 21st Iranian Conference on Electrical Engineering, Mashhad, Iran, May 2013.

  5. *Modeling Batch Annealing Process Using Data Mining Techniques for Cold Rolled Steel Sheets*, KDD4Service '11 ACM, San Diego, California, USA, 2011.

  6. *Missing Values Techniques for Large Datasets (In Persian),* in proceeding of 5th Iranian Data Mining Conference, Amirkabir University, Tehran, 2011.

  7. *Modeling Annealing Process Using Data Mining Techniques (In Persian),* 3rd CEIT, Hamedan, Iran, February 2011.

  8. *Persian Text Classification: A new Method based on SVM and TFV (In Persian)*, International conference on Industrial Engineering, Isfahan University of Technology, Isfahan, 2010.

  9. *An Ant based Web Recommender system (In Persian)*, 4rd Iranian Data Mining Conference, Sharif University, Tehran, December 1st, 2010.

  10. *Web Search Personalization: A Fuzzy Adaptive Approach*, in proceeding of 2nd IEEE International Conference on Computer Science and Information Technology. Beijing, China 2009.

  11. *Text news classification with Naïve Bayes algorithm (In Persian),* in proceeding of 2nd Iranian Data Mining Conference, Amirkabir University, Tehran, 2008.

  12. *Defeating CAPTCHAs with Learning Algorithms (In Persian)*, in proceeding of 5th International ISC Conference on Information Security and Cryptology, Malek Ashtar University, Tehran, 2008.

- **Books:**

  1. *Introduction to Algorithm Design (In Persian)***,** Daneshpajoohan Barin Press, 2014.

Work Experiences:

- **AI Analyzer, Designer and Programmer, Elm Pajvak Company 2007-2008.**
- **Technical Manager, Software Analyzer, Nasle Ayandeh Sepahan Company 2010.**
- **Technical Manager, Software Analyzer, Nasle Ayandeh Sepahan Company 2011.**
- **Technical Manager, Software Analyzer, Database Designer, Nasle Ayandeh Sepahan Company 2011.**
  - **Design and Implementation of Central Citizen Database based on Integration of Databases of Ostan Organization, Isfahan Ostandari, Isfahan, 2010 – 2011.**
- **Software Analyzer, Farayand Pooyan Spadana Company, NO. 38147, 2010 - 2011.**
- **Software Consultant, Naghsheh Negar Arya Company, 2012-Until now.**

Teaching Experiences (From 2007 till now):

- **Universities:**

  1. Isfahan University of Technology
  2. Bonyan Institute of Shainshahr
  3. Alavijeh University of Science and Technology
  4. Aghigh Institute of Shahinshahr
  5. Sepahan Institute of Isfahan
  6. Chelsotoon Institute of Isfahan
  7. Ashrafi Isfahani Institute of Isfahan
  8. Institue of KhomeiniShahr

- **Courses:**

  1. Advanced Database (MSc level)
  2. Advanced Data Mining (MSc level)
  3. Introduction to Programming
  4. C# Programming
  5. C++ Programming
  6. Introduction to Computer Basics
  7. Discrete Mathematics
  8. Electronic Commerce
  9. Introduction to Database
  10. Database 2
  11. Data Structures
  12. Data Structures in C++
  13. English Language for Computer Engineering Students
  14. Algorithm Design
  15. Artificial Intelligence
  16. Automata and Complexity Theory
  17. Introduction to Software Engineering
  18. Technical English Language
  19. Object Oriented Programming
  20. Technical Presentation

Qualifications and Other Experiences:

- Expert knowledge and great experiences in programming and software analysis
- High value placed on teamwork, flexibility, and quality interpersonal communication
- Strong analytical, conceptual, and organizational skills
- Prompt in planning and implementing agreed-upon proposals and ideas
- Expert familiarity to object oriented programming
- Innovative thinker and problem solver

Passed Graduate Courses:

- Machine Learning
- Neural Network & Fuzzy Logic
- Expert Systems
- Data Mining
- Statistical Pattern Recognition
- Computer Vision
- Distributed Operating Systems
- Advanced Electronic Commerce
- Fuzzy Control
- Advanced Computer Networks
- Network Programming
- Decision Support System
- Advanced Optimization
- Advanced Databases

Language:

Persian: native
English: fluent

Test Scores:

- ✓ MCHE with score: 62
- ✓ Tehran University English Test: 68

Programming Skills:

- Good experience in programming field with excellent technical skills.
- Ability to work on different operating systems and a good experience of working in all phases of project life cycle.
- Exceptionally good C++, C#, Python and Java programming skills and good experience in development environment.
- Excellent communication and organizational skills with leadership and management qualities.

Workshop Attendance:

- Distributing Search, 7th SIKS/Twente Seminar on Searching and Ranking, University of Twente, Enschede, The Netherlands, Wednesday 26 September, 2012.
- Searching Speech: Evaluation of Speech Recognition in Context, 6th SIKS/Twente Seminar on Searching and Ranking, University of Twente, Enschede, The Netherlands, Thursday July 5, 2012.
- Data Mining, In 2nd Iranian Data Mining Conference, Amirkabir University, Tehran, 2008.
- Information Security, In 5th International ISC Conference on Information Security and Cryptology, Malek Ashtar University, Tehran, 2008.

Achievements:

- Awarded PhD Grant from Iran Ministry of Science, 2013.
- Funded Sabbatical study for six months from Iran Ministry of Science for University of Twente (Human Media Interaction group), the Netherlands, 2012.
- Placed 2nd among all of computer engineering MSc student in Isfahan University of technology, 2009.
- Placed 149th among more than 7000 participants in the university entrance exam, Iran, 2007.