HAMED REZANEJAD ASL BONAB

College of Information and Computer Sciences ⋄ University of Massachusetts Amherst, MA

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RESEARCH INTERESTS

Information Retrieval, **Machine Learning**, **Data/Text Mining**, **Stream Processing**

EDUCATION

Ph.D. in Computer Science *(2017 - Present)*
College of Information and Computer Sciences, **UMass Amherst**, MA, USA
Center for Intelligent Information Retrieval (CIIR)
Research Topic: "Domain-Specific Cross Language Information Retrieval"
Supervisor: ***Prof. James Allan***

M.Sc. in Computer Engineering *(2014 - 2016)*
Computer Engineering Department, **Bilkent University**, Ankara - Turkey
Bilkent Information Retrieval Group (BilIR)
Thesis Topic: "Geometrically Optimum and Online Weighted Ensemble Classifier (GOOWE) on Evolving Data Streams"
Supervisor: ***Prof. Fazli Can***

B.Sc. in Computer Engineering - Software *(2008 - 2013)*
Computer Engineering Department, Iran University of Science and Technology (**IUST**), Tehran - Iran
Last 60 Credits GPA: 17.01 /20

HONOURS & ACHIEVEMENTS

· A member of the **Program Committee** for 26th and 27th ACM International Conference on Information and Knowledge Management (**CIKM**), 2017 and 2018.
· Being one of the top 5 percent students in terms of cumulative GPA among students of Computer Engineering Department, 2008 Beginners, **IUST University**, Iran, 2013.
· Ranked 528th among more than 450,000 participants of the whole country, University Entrance Exam, **NOET**, Iran, 2008.

PUBLICATIONS

[1] **H. Bonab** and F. Can, "Less is more: a comprehensive framework for the number of components of ensemble classifiers," ***IEEE TNNLS***, 2019. [**Impact factor: 7.98**]

[2] A. Büyükçakir, **H. Bonab**, and F. Can, "A novel online stacked ensemble for multi-label stream classification," in *Proc. of **CIKM'18***. ACM, 2018, pp. 1063–1072.

[3] **H. R. Bonab** and F. Can, "GOOWE: Geometrically Optimum and Online-Weighted Ensemble classifier for evolving data streams," ***ACM TKDD***, vol. 12, no. 2, p. 25, 2018.

[4] **H. Bonab**, H. Zamani, E. Learned-Miller, and J. Allan, "Citation Worthiness of Sentences in Scientific Reports," in *Proc. of **SIGIR'18***. ACM, 2018, pp. 1061–1064.

[5] **H. R. Bonab** and F. Can, "A theoretical framework on the ideal number of classifiers for online ensembles in data streams," in *Proc. of **CIKM'16***. ACM, 2016, pp. 2053–2056.

RESEARCH EXPERIENCE

UMass Amherst, Research Assistant   2017 - Present
· Center for Intelligent Information Retrieval (CIIR), MA - USA

Bilkent University, Research Assistant   2014 - 2016
· Bilkent Information Retrieval Group (BilIR), Ankara - Turkey

Parsova Tejarat Asia, R&D position   2011 - 2012
· Database Management and Web Applications Development Team, Tehran - Iran

TECHNICAL STRENGTHS

Computer Languages	Python, Java, C++, Matlab, R, PHP, HTML, CSS, JavaScript, Android
Database Management	Microsoft SQL, MySQL, Oracle lite
Operating Systems	GNU Linux, Microsoft Windows
Tools	Lemur, Galago, TensorFlow, MOA, Weka, Arena Computer Simulation, Opnet Network Analysis, Visual Paradigm, Asterisk PBX Framework, LaTeX

R&D PROJECTS

Domain-Specific Cross Language Information Retrieval   September 2017 - Present
· Cross language information retrieval using domain information, IARPA Project, UMass Amherst
· Short query disambiguation using hierarchical domain information, UMass Amherst

Ensemble Methods for Evolving Data Streams   January 2014 - January 2016
· Concept drifting stream processing using ensemble methods, Bilkent University

Predicting Social Reaction and Its Labels for an Event   August 2015 - December 2016
· Time-windowed Ensemble and Hidden Markov Model method, TUBITAK (Turkish NSF) Project

Diabetes Social and Clinical Information's Relation Extraction   January 2014 - June 2014
· Medical Data and Text Mining, Bilkent University

Intelligent Tutoring Systems (ITS)   February 2013 - September 2013
· Educational Data Mining and Machine Learning Systems, B.Sc. Thesis project, IUST University

Android Programming   June 2013 - July 2013
· Prized Android Application called DangiDongi, Cafebazaar.ir

Persian Transliteration between Arabic and Latin Scripts   September 2010 - January 2011
· NLP techniques and N-Gram Language Model, IUST University

LANGUAGE PROFICIENCY

English (Advanced), **Turkish** (Advanced), **Persian** (Native), **Azerbaijani** (Native), **Arabic** (Basic)

EXTRA CURRICULAR ACTIVITIES

Oil Painting, Nasta'liq Calligraphy, Table Soccer, Rock Climbing