

JAMSHID ESMAELNEZHAD

2062 Donald Bren Hall
University of California Irvine
(714) 697-1188

EDUCATION

Ph.D. Candidate, University of California Irvine, Irvine, US. *September 2011 - present*

BS Computer Engineering, Sharif University of Technology, Tehran, Iran, *October 2007 - July 2011*
GPA: 17.02/20

Affiliated with the National Organization for the Development of Exceptional Talents (NODET)

INDUSTRIAL WORK AND TEACHING EXPERIENCES

Software Developer Intern at *Srch2*. Summer 2013 - present / part time along with studying Ph.D. : Designing and implementing a high performance search engine in C++.

Instructor at UCI. Course: Projects in Databases and Web Applications. Two quarters since Winter 2013

Teaching Assistant at UCI, Spring 2012: Computer Networks, Winter 2012: Project in Databases and Web Applications, Fall 2012: Boolean Algebra and Logic

Reader at UCI, Spring 2011: Project in Databases and Web Applications, Winter 2011: Discrete Mathematics, Fall 2011: Discrete Mathematics

Member of maintenance team of Global Tesol website, August 2010 August 2011.

Teaching Assistant, Object Oriented Programming (OOP)

Teaching Assistant, Advanced Concepts in Programming

Teaching Assistant, C/C++ Programming

RESEARCH EXPERIENCES

Databases and Information Systems / Information Retrieval

Query Optimization for Text Matching Design and implementation of classic database-style query optimization techniques for improving the query performance of a text-centric data management system. *Summer 2013 - present*.

iPubMed, instant, error tolerant search on MEDLINE Enabling TopK framework to perform phrase search. Work with Prof. Chen Li, Inci Cetindil, *September 2012-March 2013*.

Query Log Analysis Analyzing the keyword query logs of an instant search system to understand user behaviour. Work with Prof. Chen Li, Inci Cetindil, *September 2011-September 2012*.

Data Mining / Clustering

Designing and implementing an algorithm to approximate the necessary parameters for DBSCAN 2 published in the second addressed paper. Work with S. Hassas Yeganeh, *July 2008 - June 2009*.

Implementing several clustering algorithms and adding them to Weka We wanted to be able to compare them with the algorithm introduced in the first addressed paper. Work with S. Hassas Yeganeh, *April 2007 - July 2008*.

Artificial Intelligence / Planning

An investigation on StateSpace and PlanSpace planning algorithms. *August 2010 - September 2010*.

Image Processing / Face Detection

Designing and implementing an algorithm to reduce the dimension of image space in order to ease its characterization. Work with H. Mohseni, *July 2009 - January 2010*.

PUBLICATIONS

“**Efficient Instant Fuzzy Search with Proximity Ranking**” *Inci Cetindil, Jamshid Esmaelnezhad, Taewoo Kim, Chen Li. ICDE 2014*

“**Analysis of Instant Search Query Logs**” *Inci Cetindil, Jamshid Esmaelnezhad, Chen Li, David Newman. WebDB 2012, pp. 7-12*

“**A novel method to find appropriate epsilon for DBSCAN**” *Jamshid Esmaelnejad, Jafar Habibi, Soheil Hassas Yeganeh. ACIIDS 2010 Part I, pp.93102*

“**An approximation algorithm for finding skeletal points for density based clustering approaches**” *Soheil Hassas Yeganeh, Jafar Habibi, Hassan Abolhassani, Mahdi Abbaspour Tehrani, Jamshid Esmaelnezhad. CIDM 2009, pp. 403-410.*

HONORS AND AWARDS

Ranked 57th in Nationwide University Entrance Exam among 400,000 students, Iran, 2006.

Member of National Foundation of Exceptional Talents.

SKILLS

Human Languages Fluent in Persian (Native Language), English (Reading, Writing, Listening and Speaking). Moderate in French and familiar with Arabic.

Programming Languages C++, Java, C, Python, Pascal, Prolog, Matlab, C#, Verilog, Visual Basic.

Web Related Languages PHP, JSP, JavaScript, CSS, HTML.

Database Languages SQL

Operating Systems Linux, Windows

Frameworks Symfony, Cake PHP, .NET.

TEST SCORES

TOEFL(September 2010): Internet Based Test: 98/120 Reading (27/30), Listening (22/30), Speaking (27/30), Writing (22/30).

GRE General : 1110 / 1600.

RESEARCH INTERESTS

Information Retrieval and Text Processing

Databases and Information Systems

Machine Learning / Data Mining

Log Analysis

Machine Learning on Big Data

Natural Languages Processing

NON-TECHNICAL EXPERIENCES

Sound Manager in a short film, “**Match Cut**”, directed by Hakimeh Gharebani, *September 2010*, Not Released.

Co-Director in a performance named “**Cafe Polcherie**”, Arasbaran Culture Center, directed by Hakime Gharebani, *July 2010*.

Scene Designer in a theater named “**Again, a new day**”, directed by Hakime Gharebani, Khane Honarmandean, *June 2010*.