

Iman Rasekh

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SUMMARY: Research in Information Retrieval and Evolutionary Algorithms (ICA) for search engine results clustering, Programming expertise in MySQL (expert), PHP(expert), JavaScript(expert), C++(expert), Wordpress Developing Android APPs. Teaching a variety of undergraduate computer science courses including computer architecture, operating systems, digital design, computer networks, and advanced C++ programming.

SKILLS: Information Retrieval, Web Scraping, Web Developing, Search Engine Optimization, Programming, Evolutionary Algorithms.

EXPERIENCE

University of the Philippines at Los Banos (UPLB); Research Assistant (Information Retrieval), PhD Student

UPLP Los Banos, Laguna, Philippines; 09/2011 – 12/2016

- Developing Search Engine, MISE, based on a new four-layered core structure
- Using a redefined version of the Imperialistic Competitive Algorithm (ICA) for large scale data clustering.
- **Achievements and contributions;** Design of a Content-Oriented Clustering Algorithm for Search Engines, Proposed a New Core Architecture for Search Engines, Implementation and Comparison with Current Page Ranking Algorithms.
- Taught web application and data mining as a teaching assistant (In English)

University of Applied Science and Technology (UAST); Lecturer

Saadat Abad, Pasargad, Fars, Iran ; 06 / 2008 - 07 / 2011

- Taught computer networks, operating systems, network cabling and Linux programming to undergraduate computer science students. Advised five undergraduate research projects. Designed an award winning interactive website for course material.

Islamic Azad University, Darioun branch; Lecturer

Darioun, Shiraz, Fars, Iran; 06 / 2007 - 07 / 2011

- Taught advanced C++ programming, computer architecture, digital design and operating systems to undergraduate computer science students.

Laleh Gloves Company; Software Engineer

Shiraz, Fars, Iran ; 10 / 2006 - 1 / 2009

- IT manager of the company, Part time IT manager and Software Engineer

EDUCATION

University of the Philippines at Los Banos (UPLB)

2011 – 2017; Doctor of Philosophy (PhD) , Computer Science

- **Advisor:** Dr. Eliezer A. Albacea

- **Dissertation:** “Search Engine Results Clustering Using a Modified Imperialistic Competitive Algorithm”

Islamic Azad University of Arak

2007 – 2010; Master of Engineering (M.Eng.) , Computer Engineering

- **Advisor:** Dr. Reza Javidan
- **Dissertation:** “Data Base Optimization for design a Persian text to speech Systems”

University of Isfahan

2000 – 2005; Bachelor of Engineering (B.E.) , Computer Engineering

PUBLICATIONS

A new XML-based competitive architecture for search engines

I Rasekh, Eliezer A. Albacea,
Philippine Computing Science Congress (PCSC2016). , 2016

A new Competitive Intelligence-based strategy for Web Page Search

I Rasekh,
Procedia Computer Science 62 (1877-0509), 450-456 , 2015
The 2015 International Conference on Soft Computing and Software Engineering (SCSE'15), University of California Berkeley

A Parallel Method for Metadata Correlation in Semantic Webs

I Rasekh, D Poor Yousefian Barfeh ; MODEL 2015, Philippines

Dynamic Search Optimization for Semantic Webs Using Imperialistic Competitive Algorithm

I Rasekh; Information Science and Applications (ICISA), 2012 IEEE 2012 International Conference on Information Science and Applications.

Concatenative Synthesis of Persian Language Based on Word, Diphone and Triphone Databases

I Rasekh, R Javidan; Modern Applied Science 4, 2010

PWL Approximation of Hyperbolic Tangent and the First Derivative for VLSI Implementation

E Rasekh, I Rasekh, M Eshghi; Electrical and Computer Engineering (CCECE), 2010 IEEE 23rd Canadian Conference on Electrical and Computer Engineering - CCECE

An Approach to Recognize and Pronounce Words with Alternative Pronunciations in Farsi

I Rasekh, E Rasekh, M Eshghi; Electrical and Computer Engineering (CCECE), 2010 IEEE 23rd Canadian Conference on Electrical and Computer Engineering - CCECE

Data Base Optimization for design a Persian text to speech Systems (in Persian)

I Rasekh, R Javidan; Iranian Journal of Bio-Engineering supported by IEEE

Design and optimization of Internet Portals to expanding Ecotourism (in Persian)

I Rasekh; Iranian Journal of Electronic Engineering Experts supported by IEEE

LANGUAGES English (Full professional proficiency), Persian (Native or bilingual proficiency)

VOLENTAER ACTIVITIES

Public secretary of International Students Association, 2011-2013 University of the Philippines at Los Baños,
Public secretary of International Students Association for almost four years organizing cultural events and donation programs for typhoon victims.

Resource Speaker, 2012; University of the Philippines at Los Baños, Workshop about Iran Culture, Traditions and System of Government