Vahid Kharazi

Curriculum Vitae

Research Interests

Natural Language Processing

Data Mining, Big Data Analytics

Machine Learning, Pattern Recognition

Cognitive Architecture, Human Factors

Education

2015–current **Masters of Science**, *Iran University of Science and Technology*, Department of Computer Engineering, Artificial Intelligence Major.

2011–2015 **Bachelor of Science**, *Iran University of Science and Technology*, Department of Computer Engineering, Software Major.
GPA: 16.45/20 (3.20/4), 2nd Rank among IUST
Major Course GPA: 18.56/20 (3.90/4)

Some core course grades:
AI:20/20, Algorithms:20/20, SE1:13.98/20, SE2:19.33/20, IR:20/20, Compilers:20/20, DB:20/20, Numerical Calculations:19/20 , DM:17.6/20, DS:16.75, Programming:19/20, Advance Programming:20/20

2010–2011 **Pre University, Mathematics**, *FajreKhatam HighSchool*, Tehran.
GPA: 18.15/20 (4/4)

2007–2010 **Diploma, Physics-Mathematic**, *Dr.Shariaati HighSchool*, Tehran.
GPA: 19.26/20 (4/4)

Bachelor Thesis

Title *Emotion Models in Cognitive Architectures*

Supervisors Dr.Adel t.Rahmani & Associate Dr.MohammadReza Jahed

Description This thesis explored the idea that how we can model human emotions and it's survey of emotion models on some Cognitive Architecture(Specially ACT-R and SOAR)

Experience

Teaching Experiences

Spring 2015	**Teaching Assitant for System Analysis and Design**. instructor: Dr.Saeed Parsa
Spring 2014	**Teaching Assitant for Algorithms**. instructor: Dr.Hassan Naderi
Fall 2012 and Fall 2013	**Teaching Assitant for Inroduction to Programming(Python)**. instructor: Dr.Adel Rahmani
Fall 2012 and Fall 2013	**Teaching Assitant for Discrete Mathematics**. instructor: Dr.Mohammad Abollahi Azgomi
Spring 2012	**Teaching Assitant for Advance Programming(C++ and Python)**. instructor: Dr.Adel Rahmani

Computer skills

Basic	C, C++, MATLAB, Qt, Latex, System Administration, Git, MongoDB, Neo4j, Hadoop, Spark
Intermediate	Python, Python Sklearn, NLTK, Programming, Web Scaling, Linux

Selected Projects

2014,2015	**Mirad:** An article aggregator which maintains a personalized feed for each user according to their feedbacks. Mirad is in production phase and is serving thousands of users. Backend uses Python which is a great fit for data processing tasks and scraping sources. scikit-learn machine learning library for its recommendation system and python nltk for text processing, `http://mirad.ir`
2015	**Kavosh:** A Social Network and News Analyser, Using datamining and graph discovering algorithm to analyse users behaviours
2014	**Moujez:** Persian Text Summarization Agent Focused at News(AI Course Project), `http://github.com/kharazi/moujez`
2014	**MAPRII:** Implementation of simple Inverted Index(II) using Hadoop and Spark(IR Course Project)
2012	**ListMacro:** Implementation of list macro for X86 Assembly(Assembly Course Project), `https://gitorious.org/listmacro`

Activities

2015	Conference Committee, PyCon 2015, PyCon is the largest annual gathering for the community using and developing the open-source Python programming language
2013	Conference Committee, PyCon 2013
2012	Event Organizer, SFD@IUST 2013, SFD is a yearly celebration for Software Freedom. Every year there are thousands teams organizing Software Freedom Day in different countries and cities.

2012	Elected as Member of Computer Engineering Department Student Association (CESA). CESA is the student committee concerned with directing the department's extra-curriculum activities

Certificates and Awards

2015	Ranked as Second Student Among All of Software Engineering Students
Feb 2015	Best Course Project of CE Department in School Open Day
2013	Workshop Presentation about Django(Tehran PyCon 2013), Dr.Nassr Mozayani, Dean of CE Department
2013	Lecture Presentation entitled "Parallel Programming with Python"(Tehran PyCon 2013)
2011	Admission to Iran University of Science and Technology
2011	Ranked among Top 1% in National University Entrance Exam (300000+ participants)

Languages

Persian	**Mothertongue**	
English	**Intermediate**	
Arabic	**Basic**	*Basic words and phrases only*