Ashkan Banitalebi Dehkordi

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Research Interests

Artificial Intelligence
General Game Playing
Game Theory
Advanced Algorithms
Formal Methods & Verification

Educational History

2010–present	**B.Sc.** Computer Engineering*ECE Department, The University of Tehran*, Tehran, Iran
	Specialized in Software Architecture
	  GPA (so far) : 15.40/20.0 (3.064/4.0)
	  GPA for major courses (so far) : 16.98/20.0 (3.75/4.0)

2006–2010	Diploma of Mathematics and Physics Discipline *NODET Shahid Beheshti high.*, Shahr-e-Kord, Iran *GPA : 18.62/20.0*

Teaching Experience

Summer 2014	First steps in General Game Playing	*Instructor*	UT ACM Student chapter	UT-ECE
Spring 2014	Design and Analysis of Algorithms	*Teaching Assistant*	Dr. Masoud Asadpour	UT-ECE
Spring 2012 – Fall 2013	Data Structures and Algorithms	*Teaching Assistant*	Dr. Hesham Feili	UT-ECE
Fall 2013	Programming Languages	*Teaching Assistant*	Dr. Fatemeh Ghassemi	UT-ECE
2011 – 2013	Descrete Mathematics	*Teaching Assistant*	Dr. Siamak Mohammadi	UT-ECE
Fall 2012	Introduction to Computing Systems and Programming	*Teaching Assistant*	Dr. Hadi Moradi	UT-ECE

Selected Projects

Fall 2014	**Web data analyzer**
	  Collecting, recognizing and classifying data fields
	on websites, partitioned by the websites' types.
	  Developed in Python *(under construction)*
		Social Networks Lab, UT

Fall 2014	**raxshpy**
	  python GGP base framework
	  Developed in Python *(under construction)*
		UT GGP Team

Summer 2014	**KaarZaar**
	  online GGP match manager
	  Using Django, Python, *connecting on REST*
		UT Summer of Code

Summer 2013	**RBPT**
	  formal verification for wireless network protocols
	  Using ANTLR & Java, ML	

Fall 2013	**Cloud File Storage & Sharing**
	  client-server cloud data storage
	  Developed in Python *using sqlite3 for Linux*
		Course Project for Computer Networks

Fall 2013	**MeetMe**
	  Web application to arrenge meetings and assign rooms in a campus
	  Using Django, Python, *HTML, CSS, JS,*
	    postgreSQL, &JavaScript (for load-testing)
	  Practicing methodologies, principals, & patterns for software arcitecture
		Course Project for Software Engineering

Summer 2013	**Notification Manager (NODAD)**
	  Academic Social Network
	  J2EE web application using wicket & hibernate
		UT Summer of Code

Spring 2013	**BookMaina**	*Course Project for System Analysis and Design*
	Web portal to buy and cell used books	
	Using Django, PYTHON, mySQL, HTML, CSS, JS	
Spring 2013	**University Course Management Website**	*Course Project for Internet Engineering*
	Web application for course management	
	Using J2EE, Hibernate over mySQL, HTML, CSS, JS	
Fall 2012	**Shared memory, CPU scheduler, and Thread library**	*Course Project for Operating Systems*
	Designed and implemented shared memory, CPU scheduler, and thread library	
	Developed in C for UNIX	
Fall 2012	**Memory Management**	*Course Project for Computer Architecture*
	A survey on thread, chache, and memory management in harware level	
	Using SimpleScaler for simulation	
Fall 2012	**Processor Design**	*Course Project for Computer Architecture*
	Implemented Single-Cycle, Multi-Cycle, and Pipeline Processors	
	Developed in Verilog HDL	
Fall 2012	**Music Player & Recorder**	*Course Project for Microprocessors*
	A music player & recorder based on Atmel AVR	
	Using AT-Mega32 Microcontroller operationg Serial Controler Component	
Spring 2012	**Micado compiler**	*Course Project for Design and Implementation of Compilers*
	Compiler for an Object-Oriented Language supporting dynamic binding	
	Using ANTLR & JAVA	
Fall 2011	**Search Engine**	*Course Project for Data Structures and Algorithms*
	Large-scale search engine with google-like indexing and instant search	
	Developed in JAVA	

Skills

Programming	C/C++, JAVA, PYTHON	Pro
	JavaScript, Lisp, Clips, ML, Octave, Haskell, SQL, Prolog, Befunge	Expert
	Scala, MatLab, PHP, Bash Script, C#, Ruby	Familiar
Platform/Tools	Apache, MySQL, J2EE, maven, Wicket, Nginx, git, Django, Nodejs, Android, ANTLR, HTML, CSS, jQuery, Bootstrap, sqlite, postgresql, ModelSim, SimpleScaler, Quartus II, MS Word, TEX, LATEX, OpenOffice	
Language	Farsi	Native
	English	Fluent
	TOEFL 101 - GRE V:143, Q:167, AW:3.0	
	Arabic, Gilaki	Basic

Membership & Leadership Experience

2014	UT GGP team	*Founder, Captain*	
2014	KaarZaar	*Product-manager*	UT ACM Summer of Code
2013	Notification Manager (Nodad)	*Developer*	UT ACM Summer of Code
2011 & 2012	UTACM AI contest for freshmen	*Coder, Staff*	UT ACM Student chapter

Honors

2010	Ranked 880 among about 300,000 participants in national university enterance exam
2003 and 2006	Accepted for entering NODET school (Middle & High) through a test for talented students.