

ASHKAN BANITALEBI DEHKORDI

Computer Science, Stony Brook University, Stony Brook, NY

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Research Interests

Artificial Intelligence

General Game Playing

Game Theory

Advanced Algorithms

Formal Methods & Verification

Educational History

2015–present	Computer Science <i>Stony Brook University</i> , Stony Brook, NY
2010–2015	B.Sc. Computer Engineering <i>ECE Department, The University of Tehran</i> , Tehran, Iran Specialized in Software Architecture
2006–2010	Diploma of Mathematics and Physics Discipline <i>NODET Shahid Beheshti high.</i> , Shahr-e-Kord, Iran

Teaching Experience

Summer 2014	First steps in General Game Playing	<i>Instructor</i>	UT ACM Student chapter	UT-ECE
Spring 2014	Design and Analysis of Algorithms	<i>Teaching Assistant</i>	Dr. Masoud Asadpour	UT-ECE
Spring 2012 – Fall 2013	Data Structures and Algorithms	<i>Teaching Assistant</i>	Dr. Hesham Feili	UT-ECE
Fall 2013	Programming Languages	<i>Teaching Assistant</i>	Dr. Fatemeh Ghassemi	UT-ECE
2011 – 2013	Discrete Mathematics	<i>Teaching Assistant</i>	Dr. Siamak Mohammadi	UT-ECE
Fall 2012	Introduction to Computing Systems and Programming	<i>Teaching Assistant</i>	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. <i>Developed in PYTHON (under construction)</i>	<i>Social Networks Lab, UT</i>
Fall 2014	raxshpy python GGP base framework <i>Developed in PYTHON (under construction)</i>	<i>UT GGP Team</i>
Summer 2014	KaarZaar online GGP match manager <i>Using Django, PYTHON, connecting on REST</i>	<i>UT Summer of Code</i>
Summer 2013	RBPT formal verification for wireless network protocols <i>Using ANTLR & JAVA, ML</i>	
Fall 2013	Cloud File Storage & Sharing client-server cloud data storage <i>Developed in PYTHON using sqlite3 for Linux</i>	<i>Course Project for Computer Networks</i>
Fall 2013	MeetMe Web application to arrange meetings and assign rooms in a campus <i>Using Django, PYTHON, HTML, CSS, JS, postgresQL, & JavaScript (for load-testing)</i> <i>Practicing methodologies, principals, & patterns for software architecture</i>	<i>Course Project for Software Engineering</i>
Summer 2013	Notification Manager (NODAD) Academic Social Network <i>J2EE web application using wicket & hibernate</i>	<i>UT Summer of Code</i>
Spring 2013	BookMaina Web portal to buy and sell used books <i>Using Django, PYTHON, mySQL, HTML, CSS, JS</i>	<i>Course Project for System Analysis and Design</i>

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

Skills

Programming	C/C++, JAVA, PYTHON JavaScript, Lisp, Clips, ML, Octave, Haskell, SQL, Prolog, Befunge Scala, MatLab, PHP, Bash Script, C#, Ruby	Pro Expert 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, T _E X, L ^A T _E X, OpenOffice	
Language	Farsi English TOEFL 101 - GRE V:143, Q:167, AW:3.0 Arabic, Gilaki	Native Fluent 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 entrance exam
2003 and 2006	Accepted for entering NODET school (Middle & High) through a test for talented students.