Ashkan Banitalebi Dehkordi

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Research Interests

Programming Languages
Artificial Intelligence
General Game Playing
Game Theory

Educational History

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

Teaching Experience

Spring 2018	CSE 219 Computer Science III	*Teaching Assistant*	Eugene Stark	Stony Brook-CS
Fall 2016	CSE 506 Operating Systems	*Teaching Assistant*	Erez Zadok	Stony Brook-CS
Spring 2016	CSE 215 Foundations of Computer Science	*Teaching Assistant*	Kevin McDonnell	Stony Brook-CS
Fall 2015	CSE 352 Artificial Intelligence	*Teaching Assistant*	Anita Wasilewska	Stony Brook-CS
Summer 2014	First steps in General Game Playing	*Instructor*	UT ACM Student chapter	UT-ECE
Spring 2014	Design and Analysis of Algorithms	*Teaching Assistant*	Masoud Asadpour	UT-ECE
Spring 2012 – Fall 2013	Data Structures and Algorithms	*Teaching Assistant*	Hesham Feili	UT-ECE
Fall 2013	Programming Languages	*Teaching Assistant*	Fatemeh Ghassemi	UT-ECE
2011 – 2013	Descrete Mathematics	*Teaching Assistant*	Siamak Mohammadi	UT-ECE
Fall 2012	Introduction to Computing Systems and Programming	*Teaching Assistant*	Hadi Moradi	UT-ECE

Research Experience

2017	**Mechanism Design: Specification and Automation**	DARLab
	Domain Specific constraint programming language	

Selected Projects

Summer 2016	**MY-SBUOS**	*Course project for CSE 506 Operating Systems*
	Lightweight operating system focused on access control, efficient memory management, and O(1) scheduling	
	Using C & Assembly for a 64-bit processor	
Fall 2014	**Web data analyzer**	*Social Networks Lab, UT*
	Collecting, recognizing and classifying data fields on websites, partitioned by the websites' types.	
	Developed in Python	
Fall 2014	**raxshpy**	*UT GGP Team*
	python GGP base framework	
	Developed in Python *(under construction)*	
Summer 2014	**KaarZaar**	*UT Summer of Code*
	online GGP match manager	
	Using Django, Python*, connecting on REST*	
Summer 2013	**RBPT**	
	formal verification for wireless network protocols	
	Using ANTLR & Java*, ML*	

Fall 2013	**Cloud File Storage & Sharing**	
	client-server cloud data storage	*Course Project for*
	Developed in PYTHON *using sqlite3 for Linux*	*Computer Networks*
Fall 2013	**MeetMe**	
	Web application to arrenge meetings and assign rooms in a campus	
	Using Django, PYTHON, *HTML, CSS, JS,*	*Course Project for*
	postgreSQL, &JavaScript (for load-testing)	*Software Engineering*
	Practicing methodologies, principals, & patterns for software arcitecture	
Summer 2013	**Notification Manager (NODAD)**	
	Academic Social Network	*UT Summer of Code*
	J2EE web application using wicket & hibernate	
Spring 2013	**BookMaina**	
	Web portal to buy and sell used books	*Course Project for*
	Using Django, PYTHON, *mySQL, HTML, CSS, JS*	*System Analysis and Design*
Spring 2013	**University Course Management Website**	
	Web application for course management	*Course Project for*
	Using J2EE, Hibernate over mySQL, HTML, CSS, JS	*Internet Engineering*
Fall 2012	**Shared memory, CPU scheduler, and Thread library**	
	Designed and implemented shared memory, CPU scheduler, and thread library	*Course Project for*
	Developed in C for UNIX	*Operating Systems*
Fall 2012	**Memory Management**	
	A survey on thread, chache, and memory management in harware level	*Course Project for*
	Using SimpleScaler for simulation	*Computer Architecture*
Fall 2012	**Processor Design**	
	Implemented Single-Cycle, Multi-Cycle, and Pipeline Processors	*Course Project for*
	Developed in Verilog HDL	*Computer Architecture*
Fall 2012	**Music Player & Recorder**	
	A music player & recorder based on Atmel AVR	*Course Project for*
	Using AT-Mega32 Microcontroller operationg Serial Controler Component	*Microprocessors*
Spring 2012	**Micado compiler**	
	Compiler for an Object-Oriented Language supporting dynamic binding	*Course Project for*
	Using ANTLR & JAVA	*Design and Implementation of Compilers*
Fall 2011	**Search Engine**	
	Large-scale search engine with google-like indexing and instant search	*Course Project for*
	Developed in JAVA	*Data Structures and Algorithms*

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