M. Sadegh Riazi

	6100 Main St, MS-366, Houston, TX 77005		
	website: SadegnR.com — Email: Sadegn@Rice.edu — Phone: (8	52) 048-0809	
EDUCATION	• Rice University Graduate student in Electrical and Computer Engineering August	Houston, USA 2014 - present	
	Overall G.P.A.: 4.11/4 Expected M.Sc. degree	until July 2016	
	• Sharif University of Technology B.Sc. Electrical Engineering Overall G.P.A.: 17.62/20 (3.75/4)	Tehran, Iran 2010 - 2014	
	• Shahid Dastgheyb NODET* High School Center Diploma in Mathematics and Physics Overall G.P.A. : 18.80/20 (4/4) *NODET= National Organization for Development of Exceptional Talents, talented students, Iran	Shiraz, Iran 2006 - 2010 a special school for	
SKILLS	• Languages		
	Persian: Native English: Fluent(TOEFL iBT score: 100) Reading:26 Listening:29 Speaking:23 Writing:22		
	• Programming Languages MATLAB, Java, C, C++, C#, QB, Assembly, LAT_EX		
	• Hardware Verilog, VHDL, FPGA, DSP, PCB design		
	• Other HTML, git, Linux Kernel		
	• Specialized Software MATLAB, Xilinx ISE, Simulink, Orcad, ModelSim, PSpice Altium Designer, Proteus, Quartus, NS2, Microsoft visual studio, SimpleScalar	and Schematic,	
RESEARCH EXPERIENCE	• Privacy-Preserving Computing Performing a secure multiparty secure function, under supervision of Prof. Koushanfar January	on evaluation -February 2015	
	• BIG Data Processing Making a fast and efficient way for NNS (Nearest Neighbor Search), under supervision of Prof. Koushanfar September-January 2014		
	• BCI (Brain Computer Interface) Designing BCI Using SSVEP (Steady State V Potentials) Method for intelligent phone dialing by looking at the dialing pad, under of Prof. Shamsollahi Summer 2013-Summer 2014	isual Evoked r supervision	
	1st Prize among all B.Sc projects of EE Department in SUT,	July 2014	
PROJECTS	• Analyzing and simulating the perforemance of "SCORE" A Score-Based Memory Cache Replacement Policy	Spring 2014	
	• Area-Efficient FFT Implementing an area-efficient 16 point FFT on Xilinx Spartan 3AN by using less than 25% total area usage	Fall 2014	
	• Software, Hardware Co-Design Implementing an efficient system for solving N by N sudoku using Xilinx Spartan 3AN and MicroBlaze IP Processor	Spring 2014	
	• Implementation and Simulating Solving percolation problem using Quick union and Quick find algorithms in Java	Fall 2014	
	• Implementing OFDM with both Altera FPGA and designing ASIC core (Verilog E Complete implementation to find the start bit of frame of input stream of data	IDL) Spring 2013	
	• Analyzing Data Link Layer protocols (Sliding window, etc.) with NS2	Fall 2013	
	• Analyzing and simulating Ethernet, CSMA-CD, Wireless LAN with OP-NET	Fall 2013	
	• Design and Implementation of DC Regulator with output error less than 0.1%	Spring 2013	
	• Designing PCB of USB ASP (Microcontroller programmer) for ATMEGA microcontroller families with very efficient size (Personal interest)	Summer 2012	
	• Designing and implementing of a Cycle computer, using ATMEGA16	Spring 2012	
	• Simulation of the Statistical random walk problem for the propagation of photons inside the sun (using MATLAB)	Spring 2012	
	• Displaying animation on the monitor using ALTERA DE2 Devel. and educ. board	Fall 2011	

	• Analyzing filters (Butterworth, Lowpass, Bandpass, Highpass and different time-whamming, Hann, Blackman, Barlett) and simulating the output results in different situ using MATLAB	vindows such as ations of inputs Spring 2013	
Selected	• Design and Analysis of Algorithms Prof. Palem, A^+		
Courses & Grades	• Advanced Digital Hardware Design Prof. Koushanfar, A ⁺		
	• Computer Architecture and microprocessors, Prof. Movahedian, 19/20		
	• Logic Circuits and Digital Systems, Dr. Shabany, 18.6/20		
	• DSP (Discrete Time Signal Processing), Prof. Shamsollahi, 19.2/20		
	• Numerical Computing Dr Bagherpour 19.5/20		
AWARDS & HONORS	• Rice ECE Fellowship	April 2014	
	• ACES Fellowship (Adaptive Computing and Embedded Systems Lab)	October 2014	
	• 1st Prize of B.Sc project competition (Organized by EE department of Sharif University of Technology)	July 2014	
	• SILVER Medal,	Beijing, China	
	International Olympiad on Astronomy and Astrophysics	September 2010	
	• GOLD Medal,	Tehran, Iran	
	Iranian Olympiad on Astronomy and Astrophysics	September 2009	
	• Semifinalist, National Mathematics Olympiad	2008, Iran	
	• Semifinalist, National Physics Olympiad	2008, Iran	
	• First Rank Member of National Elites Foundation of Iran and financially sup Foundation	ported by this 2010-2014	
	• Exempted from M.Sc. Entrance Exam in Iran as an exceptionally talented student	undergraduate 2013	
TEACHING &	• Teaching Assistant of Prof. Johnson in Fundamentals of Electrical Engineering I	Fall 2015	
WORKING	• Teaching Assistant of Prof. Shamsollahi in DSP (Discrete Time Signal Processing)	Fall 2013	
EAPERIENCE	• Teaching Assistant of Prof. Movahedian in "Computer Architecture" course	Summer 2012	
	• Teaching Assistant in Digital Sys. Lab SUT, under supv. of Dr. Movahedian	Summer 2012	
	• Teaching Assistant Dr. M. R. Pakravan in Communication Systems	Fall 2013	
	• Trainee in Ertebat Sanat Pishro Co. (tel: +98-21-82144760)	Summer 2013	
	• Teaching Astronomy and Physics Olympiad courses in NODET high schools in the following cities of Iran: Tehran (Allameh Helli high school and three other high schools), Shiraz (Three different NODET high schools), Qom, Babol, Rasht, and Hamedan 2008-2014		
EXTRA- CURRICULAR	Membership of Sharif Cup (national competition on robotics and computer vision) 2012 Referee committee Summer 2012		
ACTIVITIES	• First prize Spaghetti bridge structure competition S	hiraz, Iran, 2007	
	• First prize Iranian competition on unmanned balloon making Te	ehran, Iran, 2005	
REFERENCES	• Prof. Farinaz Koushanfar Professor, Rice University farinaz@rice.edu, http://www.ece.rice.edu/koushanfar.aspx, Phone: 713 348 3906		
	• Prof. Behanm Aazhang Professor, Rice University aaz@rice.edu, http://aaz.blogs.rice.edu/, Phone: 713 348 4749		
	• Prof. Mohammad Bagher Shamsollahi Professor, Sharif University of Tech mbshams@sharif.edu, http://sharif.edu/ mbshams, Phone: +98-21-66164356	nology	