Sina Mahdipour Saravani

CONTACT	E-mail: sinamps@colostate.edu Homepage: cs.colostate.edu/ sinamps		
FIELDS OF	♦ Natural Language Processing		
Interest	♦ Deep Learning, Machine Learning		
EDUCATION	Colorado State University, Fort Collins, United States > Ph.D., Computer Science, In Progress 2020 - 20	25	
	University of Nevada, Las Vegas, Las Vegas, United States		
	 Some Graduate-level Coursework, Computer Science Cumulative Grade Average: 4/4 	20	
	Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran B.Sc., Computer Systems Architecture, (Ranked 174 top Computer Science Universities in the World) Cumulative Grade Average: 16.61/20	19	
RESEARCH AND	♦ Research Assistant, Colorado State University 2020 - Prese	nt	
WORK EXPERIENCE	 Supervisor: Dr. Indrakshi Ray Natural Language Processing; Currently working on Claim and Counterclaim detecti with regards to COVID-19 in Twitter. 	on	
	 Graduate Assistant, University of Nevada, Las Vegas Supervisor: Dr. Kazem Taghva 	20	
	 Natural Language Processing; Worked on Named Entity Recognition for Persian usi BiLSTM-CRF approaches, and Sentence Matching for English using attention-bas models. 		
	 Research Assistant and AI Developer, CommentMiner, Tehran, Iran Supervisor: Mr. Asadi 	18	
	 CommentMiner is a start-up working on a set of text processing services and intelligent chat bots. Tasks included: working on topic classification, profanity detection, NER, sentiment analysis. 		
TEACHING	♦ Temporary Teaching Faculty , Computer Science II (CS202) Summer 20	20	
EXPERIENCE	 University of Nevada, Las Vegas Teaching Assistant, Data Mining (CS458/658) University of Nevada, Las Vegas 	20	
	Instructor: Dr. Kazem Taghva ♦ Teaching Assistant , Embedded & Real-Time Systems • Amirkabir University of Technology (Tehran Polytechnic) Instructor: Dr. Hamed Farbeh	18	
HONORS AND AWARDS	⋄ Fully-funded Research Assistantship, Colorado State University 202	0	
	 ♦ UNLV Access Grant, University of Nevada, Las Vegas 	0.	
	⋄ Fully-funded Graduate Assistantship, University of Nevada, Las Vegas 201	9	
	 ♦ Top 50 start-ups in GITEX, Dubai (CommentMiner) 	7	
	♦ 3 rd place in ElecomStars, Tehran (CommentMiner) 201	7	
	♦ 1 st place in Sharif VC Cup, Tehran (CommentMiner) 201	7	

\$	Certificate of Attendance at Deep Learning Summer School Association for Computing Machinery (ACM) of University of Tehran	2018
<	Member of Scientific Association and Olympiad Affairs Amirkabir University of Technology	2015
♦	Ranked top 0.2 % in University Entrance Nationwide Exam - Math. and Physics Among approximately 230000 applicants, Iran	2014
♦	Ranked top 0.09 % in University Entrance Nationwide Exam - Foreign Languages Among approximately 129000 applicants, Iran	2014
<	Claim and Counterclaim Analysis in Twitter, Colorado State University Persian Named Entity Recognition, University of Nevada, Las Vegas Implemented using biLSTM-CRF architectures (Python).	
♦	Implementation of Convolutional and Pooling Layers of a CNN on FPGA, Am University of Technology Implemented the convolutional and the max pooling functions of CNN's using Vivado High-Level Synthesis and ran this project on a ZYBO SoC board. This acheived up to 30 times faster throughput relative to the software code on a CPU	Xilinx design
♦	Activity Recognition with Wearable Sensor Dataset in Spark Platform, Univer Nevada, Las Vegas Implemented scalable classification solutions (Multilayer Perceptron Network, L Regression, and Decision Tree) using Spark libraries for motion data of elderly in a room, (Python, Spark).	ogistic
	 Multithreaded Persian Short-Text Classification, CommentMiner Implemented using two different algorithms: Max Entropy and Naive Bayes to opersian comments and short messages, (Java). Telegram Chat-bot for Automatic Question Answering, CommentMiner Implemented a Telegram automatic bot using indexing and similarity checking on 	_
	Is Hosting Who FAQ and on Question-Answer Jokes, (C#). Coin Image Template Matching, Amirkabir University of Technology Implemented using OpenMP and CUDA platforms to parallelize the matching alg and to enhance the performance on GPU and CPU, (C, C++). Hand-written Digit Image Generation, Amirkabir University of Technology	orithm
	Implemented using a Generative Adversarial Network on MNIST dataset to go new unseen digit images, (Python Keras package).	enerate
<	PROGRAMMING: Java, Python, C/C#, VHDL, Verilog, Assembly TOOLS AND FRAMEWORKS: TensorFlow, MALLET, Keras, OpenMP, CUDA, Son NLP, polyglot, NLTK, Latex, Docker WEB PROGRAMMING: Familiar with HTML, CSS, JavaScript, JQuery, NodeJS CIRCULES, SIMILATION, AND ENGINEERING, SOFTWARE: Motley, PSpice, HSpice, H	
	CIRCUITS, SIMULATION AND ENGINEERING SOFTWARE: Matlab, PSpice, HSpic inx ISE, Model Sim SE, Xilinx Vivado, Altium Designer, CodeVision, Atmel Studiteus	

REFERENCES

RELEVANT SKILLS

RELEVANT PROJECTS

OTHERS: Adobe InDesign, Adobe Photoshop, Microsoft Word, Microsoft Excel, Microsoft PowerPoint

♦ Indrakshi Ray

indrakshi.ray@colostate.edu

Professor, Colorado State University

Reza Safabakhsh

safa@aut.ac.ir

Professor, Amirkabir University of Technology