Sepand Haghighi

Data Engineer

DoB : 1993/3/9 🔳 Marital Status : Single



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Skills	Education
	Master of Computer Engineering 2016 - 2019
n I	Branch: Computer Architecture Institute/University: Sharif University of Technology GPA : 15.14 Thesis : A Hardware-Software Partitioner for Deep Learning Algorithms Bachelor of Electrical Engineering 2011 - 2016
	Branch: Digital Electronic Institute/University: Amirkabir University of Technology GPA : 15.29
В	Thesis : Design a Logic Recommender System for Optimization of Digita CMOS Integrated Circuits by Means of Computational Intelligence Algorithms
pt	Diploma of Mathematics 2007 - 2011 Institute/University: National Organization for Developing Exceptional Talents GPA : 18.40
	Work Experiences
	Data Engineer From 2018
	Institute: ECSIM Open-Source Organization
fice	СТО 2017-2020
	Company : AppKetab
r	CTO 2016 - 2018
	Company : Moduland
ning Language	Intern 2015 - 2016
	Institute: Photonic Research Lab (Amirkabir University of Technology)
	Electronic System Engineer 2011 - 2015
gn	

Proteus	[¥] ≡ Certificates		
	Data Science Specialization 2015		
AVR Microcontroller	Institute : Johns Hopkins Bloomberg School of Public Health		
	Grade : 95.8 / 100		
R Programming Language			
	學 Publications		
Machine Learning	Experimental dataset of electrochemical April 2020 efficiency of a Direct Borohydride Fuel Cell (DBFC) with Pd/C, Pt/C and Pd decorated Ni– Co/rGO anode catalysts		
	Publisher : Chemarxiv		
Image Processing	Link :		
	https://chemrxiv.org/ndownloader/files/22387623		
Canguages	Dataset of standard tests of Nafion 112 membrane and Membrane Electrode Assembly (MEA) activation tests of Proton Exchange Membrane (PEM) fuel cell		
English Reading Level	Publisher : Chemarxiv		
Writing Lough	Link :		
Writing Level	https://chemrxiv.org/ndownloader/files/21827175		
Listening Level	A Hardware-Software Partitioner for Deep September 2019 Learning Algorithms (in Persian)		
	Publisher : Sharif University of Technology		
Q Research Interest	OPEM: Open Source PEM Cell Simulation Tool July 2018		
	Publisher : Journal of Open Source Software		
Machine Learning	Link :		
Deep Learning	joss.theoj.org/papers/10.21105/joss.00676		
Open-Source Software Digital Electronics	PyCM: Multiclass confusion matrix library in May 2018 Python		
Image Processing	Publisher : Journal of Open Source Software		
Neural Networks	Link :		
	joss.theoj.org/papers/10.21105/joss.00729		
	Pyrgg: Python Random Graph Generator July 2017		
Social Network	Publisher : Journal of Open Source Software		
in sepand-haghighi	Link :		
O Sepkjaer	joss.theoj.org/papers/10.21105/joss.00331		
Sepkjaer	Smart Sound Pressure Level Monitoring August 2016 System (in Persian)		
O sepandhaghighi	Publisher : Iran, Certificate of Grant of Patent		
R Sepand_Haghighi	Registration No.:90993		
	Hospital Smart Management System Jan 2016		
	Publisher : Iran, Certificate of Grant of Patent		
	Registration No.:87986		

Damash 2013 Soccer 2D Simulation Team Description Paper

Publisher : RoboCup 2013 Symposium and Competitions

Smart Pen	May 2011
Publisher : Iran, Certificate of Grant of Patent	
Registration No.:70380	
Optical Egg Tester	June 2009
Publisher : Iran, Certificate of Grant of Patent	
Registration No.:59214	
AVR Wireless Programmer With Ability of Encoding	July 2009
Publisher : Iran, Certificate of Grant of Patent	

March 2013

Registration No.:59831

Projects

ART		2018
Python library for text converting to ASCII art fanc	:y	
Link :		
https://www.4r7.ir		
РуСМ		2018
Multi-class confusion matrix library in Python		
Link :		
https://www.pycm.ir		
OPEM		2018
Open-Source PEM fuel cell simulation tool		
Link :		
https://opem.ecsim.ir		
PyRGG		2017
Python random graph generator		
Link :		
https://www.pyrgg.ir		
Orangetool		2017

General and useful python-scripts developed for Single-Board computers

Link :

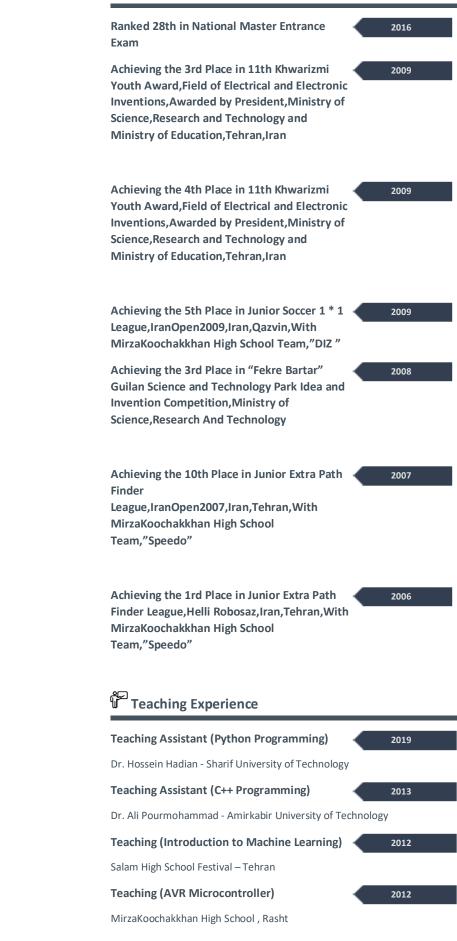
https://www.orangetool.ir

Plastic Surgeries Outcome Assessment Software

An automatic questionnaire system that developed for a breast surgery research (but it can be used for any other plastic surgeries)

2016

Achievements



Gan Selected Courses

Linear Algebra (19.5/20) Microprocessor and System Interface (18/20) Logic Circuits and Digital Design (18.21/20) Analog Communication (18.5/20) Multimedia Systems (19.5/20) Electronic Measurements (19/20) Research Methods (20/20) Computer Programming (19.3/20) Advanced Programming (17.5/20) Hardware Security and Trust (19/20) Green Computing (17.9/20) **On-Chip Communication (17.4/20)** Practical Machine Learning (100/100) Regression Models (100/100) R Programming (100/100) Statistical Inference (85/100) Exploratory Data Analysis (95/100) Machine Learning (100/100) Neural Network for Machine Learning (87/100) **References** Dr. Shaahin Hessabi

Associate Professor – Sharif University of Technology

Email: hessabi@sharif.edu

Dr. Ali Pourmohammad

Associate Professor – Baku Higher Oil School

Email: pourmohammad@bhos.edu.az

Dr. Masoomeh Jasemi

Researcher – University of California Irvine

Email: mjasemi@uci.com

Dr. Reza Vatani

Researcher - Old Dominion University

Email: rvata001@odu.edu

Dr. Hossein Hadian

Researcher - Sharif University of Technology

Email: hadian@ce.sharif.edu