

Ali Tousi

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EDUCATION

Ulsan National Institute of Science and Technology, Ulsan, Rep. of Korea

Combined MS/Phd in Computer Science

Sep 2016 – Now

Sharif University of Technology, Tehran, Iran

Bachelor of Science (B.S) in Computer Science

Oct 2011 – Jul 2016

Cumulative GPA: 15.60 / 20 Last semester GPA : 17.36 / 20

Hasheminezhad High School, Mashhad, Iran

Governed by Organization for Developmental of Exceptional Talents

Diploma in Physics and Mathematics Discipline

2007-2011

Cumulative GPA: 19 / 20

RESEARCH INTEREST

Machine Learning

Deep Convolutional Neural Networks, Semi-supervised learning

Computer Vision

Generative Adversarial Networks, Super Resolution, Developing apps for VR devices

Bioinformatics

Genome-Wide Association Studies, Cancer Research Studies

ACADEMIC HONORS & AWARDS

Accepted to attend Vision and Sports Summer School, Czech Technical University, Prague, August 2016

Offered Internship grant (3000000 KRW) from [UNIST](#) (Ulsan National Institute of Science and Technology), at [SAIL](#), 2015

Accepted and granted a scholarship (65000 JPY) to attend in Machine Learning Summer School (MLSS), Kyoto University, Japan, August 2015

Prize winner of 2013 national Mobile Ideation Challenge, 2014
For outstanding idea to promote tourism and entertainment

Admission to Sharif University of Technology, the most prestigious university in Iran (ranked 251 in world), 2011

Ranked among top 0.7% between 400,000 participants of National University Entrance Exam.

Accepted to attend in Theoretical Computer Science Summer School, Institute for Fundamental Sciences, Tehran, Iran, August 2011

SELECTED PROJECTS

B.S. Project : Video Super Resolution by using Convolutional Neural Networks

Under the supervision of Dr. Kamali Tabrizi

Grade : 20/20

Hierarchical Clustering in Response Patterns of Deep Convolution Neural Networks

[Project's codes and descriptions](#)

Detecting Driver Mutations Using Exome-Seq Data

Bioinformatics Class Project

Machine Learning Applications in Gene Association Studies

Machine Learning Class Project

Diagnosing Schizophrenia with features from MRI scans using Random Forest model

MLSP 2014 Schizophrenia Classification Challenge

Predicting Solar Energy from Weather Data using Ensemble of Tree based Models

MLSS 2015 Machine Learning Challenge (ranked 12th)

SELECTED COURSES AND WORKSHOPS	Machine Learning, Computer Vision, Fundamental of Bioinformatics (Graduate Course), Simulation of Social Societies, Signals and Systems, Fundamentals of Electrical Circuits, Networks and Data Transfer, Automata and Theory of Computation, Data Structures, Advanced programming Workshop in Vision Sciences held in IPM (Institute for Research in Fundamental Sciences) taught by Dr. Khaligh Razavi Workshop in Introduction to fmri Imaging held in IPM taught by Dr. Hamed Nili
ONLINE COURSES	Image and video processing: From Mars to Hollywood with a stop at the hospital (Grade Achieved: 75.0% with Distinction) provided by Duke University at Coursera Networked Life (Grade Achieved: 98.1% with Distinction) provided by University of Pennsylvania at Coursera
SKILLS	MATLAB, R, Python, Java, Caffe.
OTHER HONORS & AWARDS	Third Prize, Table Tennis Tournament, Hasheminezhad High School
OTHER INTERESTS	Playwriting, Film Making,
GENERAL TEST SCORE	TOEFL iBT Overall: 104/120 Reading: 28/30 Listening: 29/30 Speaking: 23/30 Writing: 24/30 GRE Verbal Reasoning: 155/170 Quantitative Reasoning: 161/170
REFERENCES	Prof. Jaesik Choi: Assistant Professor in the School of Electrical and Computer Engineering, UNIST Dr. Mostafa Kamali Tabrizi: Assistant Professor of Mathematical Sciences Department, Sharif University of Technology Dr. Hossein Vahabie: Assistant Professor of School of Cognitive Sciences, Institute for Research in Fundamental Sciences (IPM)
LANGUAGES	Persian: Native language English: Fluent French: Basic