

DAVID MOSALLANEZHAD

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EDUCATION

Doctor of Philosophy in Computer Science	2019 - 2024
School of Computing, Informatics, and Decision Systems Engineering	GPA: 4.0/4.0
Arizona State University, Tempe, Arizona	
Master of Science in Computer Science	2015 - 2018
Minor in Artificial Intelligence & Machine Learning	GPA: 4.0/4.0
Shiraz University, Shiraz, Iran	
Bachelor of Science in Computer Science	2011 - 2015
Minor in Software Engineering	GPA: 3.83/4.0
Shiraz University, Shiraz, Iran	

RESEARCH INTERESTS

My research interest mainly lies within machine learning and natural language processing algorithms and their applications. Currently, working on:

Reinforcement Learning
Neural Networks

Natural Language Processing
Social Network Analysis

TECHNICAL SKILLS

Data Analysis using:	Python, PyTorch, Tensorflow, Matlab, Keras
Have Experience with:	C++, C, PHP, HTML, CSS, JAVA

WORK EXPERIENCE

Graduate Research Assistant , Arizona State University, Tempe, AZ, USA	2019 - present
<ul style="list-style-type: none">• This project is funded by DHS-CAOE• Creating and analyzing different face recognition models• Creating a program to interview a model for analyzing its fairness based on different attributes	
IT Manager , Shiraz University, Shiraz, Iran	2017
<ul style="list-style-type: none">• Setting up server farm for Deep Learning purpose• Managing several servers (including Git and web servers)	
Lead Python Programmer , East Data Processing, Tehran, Iran	2016-2017
<ul style="list-style-type: none">• Leading a project to create API for different Persian websites• Created a parallel scraper engine capable of executing user's commands to automate routine processes	
Web Developer , Shiraz University, Shiraz, Iran	2015-2016
<ul style="list-style-type: none">• One of creators of the Open-Source Electrophysiological Toolbox website	
Researcher , Shiraz CERT Center (APA), Shiraz, Iran	2012
<ul style="list-style-type: none">• Collected important Android vulnerabilities and exploits	

SELECTED PROJECTS

Question Answering using BERT , Arizona State University, Tempe, AZ, USA	2019
• Improved the base BERT model for question answering problem	
Tag Detection , Shiraz University, Shiraz, Iran	2017
• Detecting question tags on stackoverflow website	
PixelOS operating system , Shiraz University, Shiraz, Iran	2014
• Created a simple extendable operating system written in assembly and C	
• This OS was used for different courses as a project to extend it	
P2P File Sharing Application , Shiraz University, Shiraz, Iran	2014
• Python application in which each peer can add other peers to its peer list	
• Peers can ask one of its peers for a file	
• Uses socket programming and can use both TCP and UDP protocols	
• Can easily find peers using broadcasting	
Spam Filtering Application , Shiraz University, Shiraz, Iran	2013
• Used C++ to write Aho-Corasick, Information Gain (IG) and Naive Bayes algorithms to check emails	

PUBLICATIONS

Realistic Fake News Generation , Under review at ICML 2020	2020
Ahmadreza Mosallanezhad, Kai Shu, Huan Liu	
Domain Adaptive Fake News Detection , Under review at ACL 2020	2020
Ahmadreza Mosallanezhad, Kai Shu, Steve Jadav, Huan Liu	
Deep Reinforcement Learning-based Text Anonymization against Private-Attribute Inference , EMNLP-IJCNLP 2019	2019
Ahmadreza Mosallanezhad, Ghazaleh Beigi, Huan Liu	
Privacy-Aware Recommendation with Private-Attribute Protection using Adversarial Learning , WSDM 2020	2019
Ghazaleh Beigi, Ahmadreza Mosallanezhad, R. Guo, H. Alvari, Alexander Nou, Huan Liu	

ACADEMIC ACHIEVEMENTS

Winner of Sunhacks hackathon	2019
2 nd place	
Best Graduate Student in Artificial Intelligence , Shiraz University, Shiraz, Iran	2017
Top 10 percentile - KDD Cup 2016	2016
team >Miners<	
Accepted to M.Sc. as gifted B.Sc. graduate (ranked 1st)	2015
Shiraz University & Sharif University of Technology	
Top 50 percentile - ACM International Collegiate Programming Contest	2012
Sharif University of Technology, among 83 selected teams	