

DAVID MOSALLANEZHAD

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EDUCATION

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

RESEARCH INTERESTS

My research interest mainly lies within machine learning algorithms and applications. Currently, I'm working on several Natural Language Processing and Reinforcement Learning projects. My research interests are as follow:

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	<i>2019 - now</i>
<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	<i>2017</i>
<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	<i>2016-2017</i>
<ul style="list-style-type: none">• Leading a project to scrape different Persian websites• Created a parallel scraper engine capable of executing user's commands to collect data	
Web Developer , Shiraz University, Shiraz, Iran	<i>2015-2016</i>
<ul style="list-style-type: none">• One of creators of the Open-Source Electrophysiological Toolbox website	
Researcher , Shiraz CERT Center (APA), Shiraz, Iran	<i>2012</i>
<ul style="list-style-type: none">• Collected important Android vulnerabilities and exploits	

SELECTED PROJECTS

- Competitive Influence Maximization (CIM)**, Arizona State University, Tempe, AZ, USA 2019
- Studied influence maximization based on different environment attributes
 - A novel method for integrating opinion changes and trust changes in CIM
 - Paper under review at ACM-TIST journal (1st author)
- 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

- Deep Reinforcement Learning-based Text Anonymization against Private-Attribute Inference**, To appear at **EMNLP-IJCNLP 2019** 2019
Ahmadreza Mosallanezhad, Ghazaleh Beigi, Huan Liu
- Privacy-Aware Recommendation with Private-Attribute Protection using Adversarial Learning**, To appear at **WSDM 2020** 2019
Ghazaleh Beigi, Ahmadreza Mosallanezhad, R. Guo, H. Alvari, Alexander Nou, Huan Liu

ACADEMIC ACHIEVEMENTS

- Winner of Sunhacks hackathon** 2019
2nd 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
- Top 50 percentile - ACM International Collegiate Programming Contest** 2012
Sharif University of Technology, among 83 selected teams