

# DAVID MOSALLANEZHAD

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## EDUCATION

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<b>Doctor of Philosophy in Computer Science</b>	2019 - 2024
School of Computing, Informatics, and Decision Systems Engineering	GPA: 3.75/4.0
Arizona State University, Tempe, Arizona	
<b>Master of Science in Computer Science</b>	2015 - 2018
<b>Minor in Artificial Intelligence &amp; Machine Learning</b>	GPA: 4.0/4.0
Shiraz University, Shiraz, Iran	
<b>Bachelor of Science in Computer Science</b>	2011 - 2015
<b>Minor in Software Engineering</b>	GPA: 3.83/4.0
Shiraz University, Shiraz, Iran	

## RESEARCH INTERESTS

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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

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

## WORK EXPERIENCE

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

## SELECTED PROJECTS

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|---|------|
| <b>Question Answering using BERT</b> , Arizona State University, Tempe, AZ, USA   | 2019 |
| <ul style="list-style-type: none"><li>• Improved the base BERT model for question answering problem</li></ul>   |      |
| <b>Tag Detection</b> , Shiraz University, Shiraz, Iran  | 2017 |
| <ul style="list-style-type: none"><li>• Detecting question tags on stackoverflow website</li></ul>  |      |
| <b>PixelOS operating system</b> , Shiraz University, Shiraz, Iran   | 2014 |
| <ul style="list-style-type: none"><li>• Created a simple extendable operating system written in assembly and C</li><li>• This OS was used for different courses as a project to extend it</li></ul> |      |
| <b>Spam Filtering Application</b> , Shiraz University, Shiraz, Iran   | 2013 |
| <ul style="list-style-type: none"><li>• Used C++ to write Aho-Corasick, Information Gain (IG) and Naive Bayes algorithms to check emails</li></ul>  |      |

## PUBLICATIONS

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|---|------|
| <b>Privacy-preserving Image Representation</b> , Under review   | 2020 |
| Ahmadreza Mosallanezhad, Yasin Silva, Michelle Mancenido, Huan Liu  |      |
| <b>Synthetic News Generation</b> , Under review   | 2020 |
| Ahmadreza Mosallanezhad, Kai Shu, Huan Liu  |      |
| <b>Domain Adaptive Fake News Detection</b> , Under review   | 2020 |
| Ahmadreza Mosallanezhad, Kai Shu, Steve Jadav, Huan Liu   |      |
| <b>Deep Reinforcement Learning-based Text Anonymization against Private-Attribute Inference</b> , EMNLP-IJCNLP 2019 | 2019 |
| Ahmadreza Mosallanezhad, Ghazaleh Beigi, Huan Liu   |      |
| <b>Privacy-Aware Recommendation with Private-Attribute Protection using Adversarial Learning</b> , WSDM 2020        | 2019 |
| Ghazaleh Beigi, Ahmadreza Mosallanezhad, R. Guo, H. Alvari, Alexander Nou, Huan Liu                                 |      |

## ACADEMIC ACHIEVEMENTS

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|---|------|
| <b>Engineering Graduate Fellowship</b>  | 2020 |
| The Ira A. Fulton Schools of Engineering, offered in recognition of extraordinary academic achievements |      |
| <b>Winner of Sunhacks hackathon</b>   | 2019 |
| 2 <sup>nd</sup> place   |      |
| <b>Best Graduate Student in Artificial Intelligence</b> , Shiraz University, Shiraz, Iran               | 2017 |
| <b>Top 10 percentile - KDD Cup 2016</b>   | 2016 |
| team >Miners<   |      |
| <b>Top 50 percentile - ACM International Collegiate Programming Contest</b>                             | 2012 |
| Sharif University of Technology, among 83 selected teams  |      |

## COMMUNITY SERVICE

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| <b>Program Committee (PC) member of IJCAI 2021</b>           | 2021 |
| <b>Volunteer at ACL 2020 conference</b>                      | 2020 |
| <b>Reviewer at NeurIPS, ECML-PKDD, and ICWSM conferences</b> | 2020 |
| <b>Reviewer at SNAM, KAIS, and TWEB journals</b>             | 2020 |
| <b>Reviewer at KDD, SIGIR, and CIKM conferences</b>          | 2019 |