DAVID MOSALLANEZHAD

(+1) 480-569-4546 ⋄ amosalla@asu.edu ⋄ davood-m.github.io

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   **Natural Language Processing**
Neural Networks   **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

- 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

- 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

- 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

- One of creators of the Open-Source Electrophysiological Toolbox website

Researcher, Shiraz CERT Center (APA), Shiraz, Iran   2012

- 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

Synthetic News Generation, Under review 2020
Ahmadreza Mosallanezhad, Kai Shu, Huan Liu

Domain Adaptive Fake News Detection, Under review 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

Engineering Graduate Fellowship 2019
The Ira A. Fulton Schools of Engineering, offered in recognition of extraordinary 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<

Top 50 percentile - ACM International Collegiate Programming Contest 2012
Sharif University of Technology, among 83 selected teams