

Majid Memari

Machine Learning/Data Engineer

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LinkedIn: <https://www.linkedin.com/in/majid-memari/>

GitHub: <https://github.com/memari-majid>

7+ Years of Experience in Machine Learning/Data Engineering



Education

Ph.D. in Computer Science (2018-2022)

Southern Illinois University Carbondale

Dissertation: Evaluating Artificially Generated Data

M.S. in Computer Science (2015-2017)

Southern Illinois University Carbondale

Thesis: Text Analysis for Stock Market Prediction

M.A. of Business Administration (2013-2015)

Islamic Azad University, Iran

B.S. in Industrial Engineering (2006-2010)

Islamic Azad University, Iran

Thesis: System Modelling Simulation and Optimization

Experience

Student Brand Manager (2010-2012)

Red Bull Tehran, Iran

Business Analyst (2012-2014)

Pas International Trading Co. Ltd Tehran, Iran

Interpret data to make informed business IT-related recommendations

Data Analyst (2014-2015)

Avang Co. Tehran, Iran

Experienced in developing Recommendation Systems

Teaching Assistant (2015-2017)

Southern Illinois University Carbondale

Research Assistant (2018 – Present)

Southern Illinois University Carbondale

HPC Research Assistant (2018-Present)

Voluntarily work as a [Student Campus Champion](#) for the NSF funded [XSEDE](#) project

Projects

Handwriting English Character Recognition using Neural Networks

Developed a CNN for MNIST Handwritten Digit Classification

Handwritten characters have been recognized with more than 97% test accuracy.

Keywords: Computer Vision, Image Processing, Deep Learning, Convolutional Neural Networks (CNN)

Real-time Twitter Sentiment Analysis Using Natural Language Processing

Each tweet extracted classified based on its sentiment whether it is a positive or negative.

Keywords: Natural Language Processing (NLP), Deep Learning, Big Data

Predicting the Localities of Rocks Based on Their Magnetic Properties

Keywords: Component Analysis (PCA), Multicategory Statistical Analysis

Licenses & Certifications

TensorFlow Advanced Techniques Specialization (Coursera)

PyTorch Advanced Techniques Specialization (Coursera)

Skills and Tools

Deep Learning Frameworks

TensorFlow, PyTorch, Caffe, MXNet, CNTK, CUDA

Computer Vision (CV)

OpenCV, Viso Suite, SimpleCV, BoofCV, OpenVINO, DeepFace, YOLO, Simultaneous Localization and Mapping (SLAM)

Natural Language Processing (NLP)

CoreNLP, NLTK, TextBlob, Gensim, and SpaCy

Database Management Systems

Relational and non-relational database software such Oracle Database, Microsoft SQL Server, MongoDB

HPC and Cloud Computing

Amazon Web Services, Microsoft Azure, Google Cloud, BigDawg (local HPC Cluster)

Programming Languages

Python, Java, C, C#, C++