Soroush Javdan

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Education

Master Degree | Iran University of Science and Technology
2017 – 2019
Supervisor: Dr. Morteza Analoui
GPA: 3.77

Bachelor Degree | Kharazmi University, Tehran, Iran
2010 – 2015
Supervisor: Dr. Azadeh Mansouri
Bachelor Thesis: Video summarization using the motion vector
Using the MPEG algorithm to extract motion vectors from each frame, then using the K-mean
    algorithm to cluster frames in order to extract key frames and create a final summary base on
    them.
Thesis Grade: 20/20

Research Interest

- Natural Language Processing
- Deep Learning
- Reinforcement Learning
- Data Mining
- Meta Learning

Publication

S. Javdan, K. Darvish, T. Shangi, B. Minaei, "Offensive Language Detection on Persian Social Media", under review.

S. Javdan, M. Analoui, "Personalizing Dialogue Agent via Improved Meta-Learning", under review.

Experience

Research Assistance
2018 – Present

A member of Future Network and Artificial Intelligent Lab at Iran University of Science and Technology. I've been working on Machine Learning, Deep Learning, Reinforcement Learning, and their application in Dialog Generation tasks.

Teacher Assistance

Fall 2019 | **Natural Language Processing**, M.Sc., Instructor: Dr. Behrouz Minaei Bidgoli

Fall 2019 | **Machine Translation**, M.Sc., Instructor: Dr. Behrouz Minaei Bidgoli

Fall 2019 | **Pattern Recognition**, M.Sc., Instructor: Dr. Morteza Analoui

Fall 2018 | **Neural Networks**, M.Sc., Instructor: Dr. Naser Mozayeni

Teaching

2019 | **Teach fundamental of Machine Learning and its use cases in industry** in Iran Research Institute of Petroleum Industry.

Work Experience
2017 – Present   **Python and Machine Learner Freelancer**
2015 – 2017   **Software Engineer, Machine Learning,** Software Engineer at NetBarg.com
2015 – 2017   **Freelance Software Engineer**
2013 – 2015   **Android Developer,** Senior Android Developer at IRISTed

Honors and Awards

Rank top 0.6% among approximately among 30,000 participants in National Graduate Entrance Examination in computer engineering (Artificial Intelligent)

Chair of the Computer Engineering Scientific Association at Kharazmi University.

Bronze Medal winner of Iran National Water Polo League member of NIOC team.

Gold Medal winner of Iran National Water Polo Super Cup member of NIOC team.

Selected Project

Jaundice detection in newborns; I develop an android application in order to detect infant jaundice by analyzing the blood drop on nanosensor, using image processing. The product was presented at the Tehran International Nanotechnology Exhibition.

Netbarg.com Sentiment Analytic; I developed a deep model for sentiment analytic task.

Python Implementation of RandomBalanceBoost; "Pattern Recognition" course project

Implementation of Digikala.com sentiment analytic; "Natural Language Processing" course final project

Dialogue Natural Language Inference with Bert classifier; I developed a NLI using Dialogue NLI dataset

Multi-agent Simulation of Auctions; "Multi Agents" course final project

Develop software to help optimizing control valve in order to energy saving in Gheshm Sarkhun Gas Refinery; work as a freelancer for Iran Research Institute of Petroleum Industry

Selected Course

Data Mining 19.89/20

Search Engine 18.5

Mobile Network 18.75/20

Natural Language Processing 16.81/20

Computer Skills

- **Programming Languages**   Python, Jave, Matlab, Kotlin
- **Software Packages and Frameworks**   Pytorch, Keras, TensorFlow, skit-learn, Gensim, Android Framework

Interests

- Water Polo (professional)
- Swimming (professional)
- Hiking
- Blogging
- Traveling
- Volunteering
- Gardening

References

References are available upon request.