Niloofar Borhani

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https://niloole.github.io/awesome-cv/

+98 913 320 3525

Isfahan, Iran

25 years old

EDUCATION

Master of Science, Isfahan University of Technology (Ranking) — *2017 - 2020*

Control Engineering

GPA: 18.64/20 (4/4)

Thesis title: Data integration for prediction of inter-omics layers interactions in multi-layer networks using matrix factorization

Supervisors: Dr.Jafar Ghaisari and Dr.Marzieh Kamali

Advisor: Dr.Yousof Gheisar

Bachelor of Science, Isfahan University of Technology — *2013 - 2017*

Control Engineering

GPA: 18.45/20 (4/4)

Thesis title: Farsi Handwritten Recognition Using Combining Neural Networks

Supervisor: Dr.Marzieh Kamali

HONOURS & AWARDS

- **Ranking 2 among control engineering students in the department of electrical engineering at Isfahan University of Technology**
- **Among the top 10% of undergraduate electrical engineering (ranking 2 among undergraduate control engineering) in the department of electrical engineering at Isfahan University of Technology in 2017**
- **Among best students of Isfahan province in diploma**
- **Among top 1% of participates in Iranian university entrance exam for master degree**
- **Received national graduate and undergraduate full scholarship**

RESEARCH INTERESTS

- Machine learning, Deep learning
- Node embedding
- Representation learning
- Data Science
- Systems biology
- Systems modeling

ACADEMIC PROJECTS

- miRNA targets prediction with computational methods
- Data integration for prediction of inter-omics layers interactions in multi-layer networks using matrix factorization
- Prediction of gene ontology by deep learning
- Modeling coronavirus transmission with agent based method
- Introduction to Modeling biological systems (ODE, agent base, Petri nets, …)
- Campbell's Biology Summary in Simple Language
- Implementation adaptive controllers for controlling speed
- Farsi Handwritten Recognition Using Combining Neural Networks
- Using Bluetooth module and proximity sensors for RGB LED
- Construction of Buck converter
- Construction of FM receiver

PUBLICATION

A deep learning method for miRNA targets prediction (In prep)

EXPERIENCE

Teacher assessment

January 2018 - June 2018
January 2019 - June 2019

Isfahan University of Technology, In digital control laboratory

Reader assessment

June 2018
January 2019

Isfahan University of Technology
Research methodology
Electrical circuit 2

COMPUTER SKILLS

Programming: Python, MATLAB, C, VERILOG

Software: Microsoft Office, LaTeX, AutoCAD, LabVIEW, AVR and Proteus, SIMATIC Manager and WinCC

LANGUAGE

Persian: Native

English: Fluent (TOEFL iBT : will be taken on Sep 2020)

MEMBERSHIP

Regenerative Medicine Research center in Isfahan University of Medical Sciences (website: https://rml.mui.ac.ir/)

REFERENCES

- **Jafar Ghaisari Associative Professor, Department of Electrical and Computer Engineering, Isfahan University of Technology, Isfahan, Iran, ghaisari@cc.iut.ac.ir**
- **Dr. Marzieh Kamali Assistant Professor, Department of Electrical and Computer Engineering, Isfahan University of Technology, Isfahan, Iran, m.kamali@cc.iut.ac.ir**
- **Dr. Yousof Gheisar MD, PhD, Associative Professor, Isfahan University of Medical Sciences, Isfahan, Iran, ygheisari@med.mui.ac.ir**