

Amin Ebrahim-Sorkhabi, MSc

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Equipped with MSc in Artificial Intelligence from Islamic Azad University, Qazvin Branch, Qazvin, Iran. An analytical researcher with a background in diverse topics, such as Machine Learning, Deep Neural Networks, Pattern Recognition, Multi-objective Optimization, Bio-inspired Computation and Machine Vision. Demonstrated ability in training and development and solving problems.

Education

Master of Science in Artificial Intelligence

Islamic Azad University, Qazvin Branch, Faculty of Electrical and Computer Engineering, Qazvin, Iran, Nov 2013

Master's Thesis: Constraint Handling in Multi-objective Optimization Using Evolutionary Computation.

Advisor: Prof. Mohammad Mehdi Ebadzadeh, This thesis was evaluated with a score of 18.25/20 (3.65/4).

MSc. GPA: 15.53/20

Bachelors of Science in Software Engineering

Islamic Azad University, Shabestar Branch, Faculty of Technology and Engineering, Shabestar, Iran, Sep 2006

Undergraduate Thesis Project: Feature Extraction for Handwriting Digit Recognition.

Advisor: Prof. Seyed Naser Razavi

BSc. GPA: 16.13/20

Professional Experience

ISLAMIC AZAD UNIVERSITY, SAMA TECHNICAL AND VOCATIONAL TRAINING COLLEGE, TABRIZ BRANCH, TABRIZ, IRAN

Instructor, Sep 2008 - Jun 2009

- Lecture planning, preparation and presentation
- Checking and assessing students works
- Preparing weekly assignment
- Scheduling office hours for individual and group meeting with students
- Courses Taught: Operating Systems, Programming and Introduction to the Internet.

IRANIAN NATIONAL TAX ADMINISTRATION, EAST AZARBAIJAN PROVINCE TAX ADMINISTRATION, TABRIZ, IRAN

Software Support Engineer, Jan 2009 – Dec 2020

- Provide assistance and input into the planning and implementation of software development projects.
- Provide technical support for released application software.
- Install, configure and maintain software components used in systems on multiple operating system platforms.

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IRANIAN NATIONAL TAX ADMINISTRATION, EAST AZARBAIJAN PROVINCE TAX ADMINISTRATION, TABRIZ, IRAN

Machine Learning Engineer, Jan 2021 – Present

- Design and develop machine learning applications according to requirements.
- Research and implement appropriate ML algorithms and tools.
- Select appropriate datasets and data representation methods.
- Run machine learning tests and experiments.
- Perform statistical analysis and fine-tuning using test results.

Awards and Honors

- Secured 11th place in Iran nationwide Islamic Azad Universities entrance exam for MSc degree in Artificial Intelligence and 2nd place in Islamic Azad University, Qazvin Branch.

Research Interests

- Machine Learning
- Deep Neural Networks
- Pattern Recognition
- Multi-objective Optimization
- Bio-inspired Computation
- Machine Vision

Membership

- Computer Society of Iran, 2019-Present.

Publications

A. Ebrahim Sorkhabi, M. Deljavan Amiri and A. Khanteymoori, "Duality evolution: an efficient approach to constraint handling in multi-objective particle swarm optimization," *Soft Comput.*, vol.21, no.24, pp.7251-7267, Dec 2017.

A. Ebrahim Sorkhabi and MM. Ebadzadeh, "Constraint Handling in Multi-objective Optimization Using PSO Algorithm, a Novel Approach," *18th National CSI Computer Conf.*, Mar 2013.

Technical Skills

Programming

C, C++, Matlab, Python

Applications

L^AT_EX , Vim, Git, MySQL, Microsoft Office

Operating Systems

GNU/Linux, Microsoft Windows

Toolkits

PyTorch, Numpy, Pandas, Scikit-learn

References

Dr. Mohammad Mehdi Ebadzadeh

Associate Professor

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Assistant Professor

Department of Computer Engineering

University of Zanjan

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