

# Amin Ebrahim-Sorkhabi, MSc

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Equipped with MSc in Artificial Intelligence from Islamic Azad University, Qazvin Branch, Iran. Persistent in problem solving and adept in developing new ideas as a researcher with a background in diverse topics, such as Multi-objective Optimization, Bio-inspired Computation, Pattern Recognition, Machine Learning and Data Science. Experienced in teaching courses, preparing materials, overseeing practical work, and evaluating students.

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## 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.

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

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## 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, TABRIZ TAX BUREAU, TABRIZ, IRAN

**Software Support Engineer**, Jan 2009 - Present

- 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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## Awards and Honors

- Secured 11<sup>th</sup> place in Iran nationwide Islamic Azad Universities entrance exam for MSc degree in Artificial Intelligence and 2<sup>nd</sup> place in Islamic Azad University, Qazvin Branch., Sep 2008
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## Research Interests

- Multi-objective Optimization
  - Bio-inspired Computation
  - Pattern Recognition
  - Machine Learning
  - Data Science
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## Accomplished Projects

- Extracting rules from multilayer perceptrons in classification problems: A clustering-based approach, Jun 2011
  - Translation, rotation, and scaling invariant 2D object recognition using eigenvalues of covariance matrices, re-sampling and Autocorrelation, Feb 2012
  - Using mutual information for selecting features in MLP neural networks, Feb 2013
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## Membership

- Computer Society of Iran, 2019-Present.
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## Publications

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### Journal

**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.

### National Conference

**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.

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## Technical Skills

### Programming

C, C++, MATLAB, PYTHON

### Applications

L<sup>A</sup>T<sub>E</sub>X, Microsoft Office

### Operating Systems

Linux, Microsoft Windows

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## References

### **Dr. Seyed Naser Razavi**

Assistant Professor

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