

Phone: (937) 775-5217**Email:** sadeghi.2@wright.edu, reza@knoesis.org**Homepage:** <http://knoesis.org/Reza>**Location:** 377 Joshi Research Center, Wright State University, 3640 Colonel Glenn Highway, OH, USA 45435

Work experience**Graduate Research Assistant**

May 2017 - May 2022

Kno.e.sis Research Center, Wright State University, Dayton, Ohio, USA

Signal processing of vital signals of patients who stayed at CCU

Using soft computing techniques for anomaly detection with focus on mortality and readmission prediction

Applying probabilistic graphical model structure learning in learning progress

Software Developer

Nov 2013 – Mar 2017

International Imam Reza University, Department of Computer and Information Technology, Mashhad, Iran

Heart problem diagnosis via Fourier transform signal processing

Feature Reduction and Selection based on Fuzzy Rough Set

Customer Prediction in Furniture store based on Artificial Neural Network

Nurse scheduling based on Stochastic Programming

Handwriting detection based on Hidden Markov Model

Teaching Graduate Assistant

Sep 2014 - May 2015

International Imam Reza University, Department of Computer and Information Technology, Mashhad, Iran

The applications of fuzzy logic by MATLAB Fuzzy toolbox in "Advanced mathematics in computer engineering"

Creating dynamic website using HTML 5, CSS, and Java Script in "Multimedia systems"

Basic concepts of C and C++ programming in "Advanced Computer programming" and "Computer programming"

Executive management and computer trainer

Sep 2011-Aug 2016

Soheil Education Complex, Tehran, Iran

Organization of student information

Training multimedia creation by Microsoft Power Point and Autoplay software

Education**Ph. D., Computer Science (GPA:4.0)**

May 2017 - May 2022

Wright State University, Department of Computer Science and Engineering, Dayton, Ohio, USA

M.S., Computer Engineering- Software (GPA:4.0)

Sep 2013 - May 2015

International Imam Reza University, Department of Computer and Information Technology, Mashhad, Iran

B.S., Computer Engineering- Software

Sep 2008 - Sep 2012

Isfahan University of Technology, Department of Electrical and Computer Engineering, Isfahan, Iran

Interests

Modeling complex systems using probabilistic graphical models

Design and implementation of Expert Systems with the aim of outlier detection

Personalized clinical decision support systems based on state-of-the-art machine learning methods

Solving NP-hard problems by Fuzzy Logic, Evolutionary Computation techniques, and stochastic programming

Selected PublicationsM. Zabihimayvan, **R. Sadeghi**, H. N. Rude, D. Doran (2017), "A soft computing approach for benign and malicious web robot detection", Expert Systems with Applications, 87, 129-140, November 2017. (Impact factor: 3.928)J. Hamidzadeh, **R. Sadeghi**, N. Namaei (2017), "Weighted support vector data description based on chaotic bat algorithm", Applied Soft Computing, 60, 540-551, November 2017. (Impact factor: 3.541)J. Hamidzadeh, M. Zabihimayvan, **R. Sadeghi** (2017), "Detection of Web site visitors based on fuzzy rough sets", Soft Computing, In Press. (Impact factor: 2.472)**R. Sadeghi**, J. Hamidzadeh (2016), "Automatic support vector data description", Soft Computing, In Press. (Impact factor: 2.472)

Technical Strengths**Database:** Oracle, Microsoft SQL Server, Microsoft Access**Programming language:** R, MATLAB, HTML, CSS, C#, C, C++, JavaScript, Python, ASP.NET, PL/SQL**Software:** Visual Studio, Eclipse, VMware, VM VirtualBox, Protégé, MS Office, Photoshop, UML, Weka

Journal & Conference Referee

The Web Conference 2018 (WWW 2018)

The IEEE Transactions on Fuzzy Systems (TFS)