Reza Sadeghi

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Phone: (937) 797-1571
Email: sadeghi.2@wright.edu, rsadeghi@bwh.harvard.edu **Homepage:** http://knoesis.org/Reza
Location: 377 Joshi Research Center, Wright State University, 3640 Colonel Glenn Highway, OH, USA 45435

Education

Ph. D., Computer Science (GPA:4.0) **May 2017 – Present**
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

Research Interests

Information retrieval from online medical literatures and social media
Modeling complex systems using probabilistic graphical models, deep learning, and Fuzzy Logic
Clinical decision support systems based on the state-of-the-art machine learning and signal processing methods

Research Experience

Research Trainee **May 2019 – Present**
Division of Sleep and Circadian Disorders, Brigham and Women's Hospital, Harvard Medical School, MA, USA

Graduate Research Assistant **May 2017 – Present**
Kno.e.sis Research Center, Wright State University, Dayton, Ohio, USA

Graduate Research Assistant **Nov 2013 – Mar 2017**
International Imam Reza University, Department of Computer and Information Technology, Mashhad, Iran

Teaching Experience

Teaching Graduate Assistant **Sep 2014 – May 2015**
International Imam Reza University, Department of Computer and Information Technology, Mashhad, Iran

Technical Strengths

Database: PostgreSQL, Oracle, Microsoft SQL Server
Programming language: R, Python, ASP.NET , PL\SQL, MATLAB, HTML, CSS, C#, C, C++, JavaScript
Packages: bnlearn, RPostgreSQL, caret, Scikit-learn, igraph, network, RCrawler, Keras, TenseorFlow, Isa, OpenNLP

Selected Publications

R. Sadeghi, T. Banerjee, J. C. Hughes, & L. W. Lawhorne (2019), "Predicting sleep quality of caregivers using physiological signals", Accepted in *Computers in Biology and Medicine*. (Impact factor: 2.115)

M. Zabihimayvan, **R. Sadeghi**, D. Doran, M. Allahyari (2019), "A Broad Evaluation of the Tor English Content Ecosystem", Accepted in *The Web Science 2019*.

R. Sadeghi, T. Banerjee, W. Romine (2018), "Early Hospital Mortality Prediction using Vital Signals", *Smart Health*, 9, 265-274.

J. Hamidzadeh, M**.** Zabihimayvan, **R. Sadeghi** (2018), "Detection of Web site visitors based on fuzzy rough sets", *Soft Computing*, 22(7), 147-158, April 2018. (Impact factor: 2.472)

R. Sadeghi, J. Hamidzadeh (2018), "Automatic support vector data description", *Soft Computing*, 22(1), 147-158, January 2018. (Impact factor: 2.472)

M. 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)

Patent

M. Zabihimayvan, **R. Sadeghi**, D. Doran (2018), **"**Soft Computing Methods for Feature Selection for Web Agent Detection", June 2018, U.S. Provisional Patent, Pending.

Leadership and service activities

The program committee of WWW, ICACR, Biomedical Research, IntelliSys, FUZZ-IEEE, WI, and Computing conference
The reviewer of IEEE Transactions on Fuzzy Systems, Journal of Medical Internet Research, IEEE Big Data 2018, Journal of Big Data, Pattern Recognition, and Knowledge-Based Systems
Academic outreach coordinator of Biomedical Research and Technology Association (Feb 2018- Sep 2018)
SIGIR conference student volunteer, Ann Arbor, MI (2018)

Honors and awards

Received NSF travel award for IEEE/ACM CHASE2018, Washington, D.C., 2018
Best paper award for publishing "Detection of Web site visitors based on fuzzy rough sets", 2017
Best paper award for publishing "Automatic support vector data description", 2016.
Top researcher at Imam Reza International University, 2016