

Mahdieh Zabihimayvan

Phone:(937) 775-5217

Home Page: <http://knoesis.org/mahdieh>

Address: 3640 Colonel Glenn Hwy, Wright State University, Dayton, OH

Resume updated on October 2017

Email:

Zabihimayvan.2@wright.edu,

mahdieh@knoesis.org

Experience

Wright State University, Dayton, Ohio, USA

Graduate research assistant, Dept. of Computer Science & Engineering

2017-

Present

- Soft computing and machine learning techniques in anomaly detection with focus on web traffic detection (MATLAB, Python)
- Statistical analysis and machine learning models in web session characterization

Imam Reza International University, Iran

2012-2014

Graduate teaching assistant, Dept. of Computer and Information Technology

- Teaching assistant of data mining, advanced engineering mathematics in software engineering, and computer performance evaluation and modeling for M.S. students, and algorithm design for B.S. students

Ferdowsi University, Iran

2011-2012

Information and Communication Center, Network & Web developing Group

- Web programming (PHP, CSS, JavaScript, HTML)

Mashhad University of Medical Science (MUMS), Iran

2009

Information Technology Center, Web Designing Group

- Web programming (CSS, HTML)

Education

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

2017-

Present

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

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

2012-2014

Imam Reza International University, Dept. of Computer and Information Technology, Iran

B.S., Computer Engineering-Software

2007-2011

Ferdowsi University, Dept. of Computer Engineering, Iran

Interests

Data mining and soft computing techniques in anomaly detection

Machine learning methods for modeling web traffics

Statistical analysis for data characterization

Technical Qualifications

Database Programming: Microsoft SQL Server, MySQL

Programming Language: Python, MATLAB, Java, C#, C, PHP, CSS, JavaScript, HTML

Data Mining Tools: Rapidminer, WEKA

Selected Publications

M. Zabihimayvan, R. Sadeghi, N. Rude, D. Doran (2017), "A Soft Computing Approach for Benign and Malicious Web Robot Detection," Expert systems with applications, 87, 129-140, (**Impact factor: 3.928**)

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**)

M. Zabihimayvan, M. Vafaei Jahan, J. Hamidzadeh (2014), "A Density Based Clustering Approach for Web Robot Detection" The 4th International IEEE conference on computer and knowledge engineering, IEEE, (**Accept Rate: 22%**)

Honors and Awards

Journal referee: Computers and Security

Top researcher of M.Sc. students of software engineering, 2016

Award from vice chancellor of research and technology at Imam Reza International University for publishing the paper "Detection of Web site visitors based on fuzzy rough sets", 2016

Ranked top 1% over 300,000 participants in a nationwide universities entrance exam for undergraduate education, 2006.