

Mahdieh Zabihimayvan

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Resume updated on Feb. 2018

Email:

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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 (MATLAB, Python)
- Statistical analysis and machine learning models in web session characterization
- Parallel programming (MATLAB, Python)

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, 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

Applied machine learning methods in anomaly detection, data mining and soft computing techniques, statistical analysis for data characterization, information security.

Technical Qualifications

Database Programming: Microsoft SQL Server, MySQL, **Programming Language:** Python, MATLAB, Java, C, PHP, CSS, HTML

Data Mining Tools: WEKA, Excel

Selected Publications

M. Zabihimayvan, D. Doran (2018), "Some (Non-)Universal Features of Web Robot Traffic," 52th Annual Conference on Information Sciences and Systems (CISS), IEEE, Princeton University, NJ, (Accepted)

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

Awarded a fully paid travel to attend the CRA-W Grad Cohort for Women, San Francisco, CA, 2018

Best paper award for publishing the paper titled "Detection of Web site visitors based on fuzzy rough sets", 2016

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

Research services

Referee for the journal of Computers and Security

Referee of IEEE Transactions on Fuzzy Systems

Program Committee member of the Web Conference 2018