Mahdieh Zabihimayvan

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Experience

Wright State University, Dayton, Ohio, USA   *2017-Present*
Graduate research assistant, Dept. of Computer Science & Engineering
- 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

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

Services

Journal referee: Computers and Security