REZVAN RAHIMI
Curriculum Vitae

Nasr, Jalal AleAhmad

Tarbiat Modares University, Tehran, Iran

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2013-2018

PHD IN MEDICAL INFORMATICS, SHAHID BEHESHTI UNIVERSITY OF MEDICAL SCIENCES

Thesis Title: Design and Evaluation of a Clinical Decision Support System for Reducing Prescription Errors in Chemotherapy Process of Children with Acute Lymphoblastic Leukemia

2010-2012

MSC IN MEDICAL INFORMATICS, SHAHID BEHESHTI UNIVERSITY OF MEDICAL SCIENCES

Thesis Title: The Object-Oriented Conceptual Model for the Application of Cancer Registry

2003-2008

BSC IN COMPUTER ENGINEERING, SHAHID BAHONAR UNIVERSITY OF KERMAN

SKILLS

- Experience with **MATLAB, Python** for data mining researches
- Experience with language programming: **C, C++, C#, VB.NET, ASP.net**
- Experience with **UML**
- Experience with Visual Studio
- Experience with SQL Server 2008,2010,2014
- Experience in designing software systems

PUBLICATIONS

- Moghaddam-Banaem, Lida, **Rezvan Rahimi**, Sabereh Ahmadi, and Somayeh Hossainpour. "Enhancing maternal nutrition: The development of Doojan, a gamified mHealth app for pregnant women." Health Informatics Journal 31, no. 3 (2025): 14604582251335182.
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- Moghaddam-Banaem, Lida, **Rezvan Rahimi**, Sabereh Ahmadi, and Somayeh Hossainpour. "Quality assessment and features of persian mobile health applications for maternity care on android platforms." Informatics and Health, no. 2 (2025): 84-91.

- Zare, Farnaz, **Rezvan Rahimi**, and Hanieh Zehtab Hashemi. "Utilization of telehealth services among multiple sclerosis patients in Iran." *Enfermería Clínica* (2025): 502186.

- Zare, Farnaz, **Rezvan Rahimi**, Hanieh Zehtab Hashemi, Leila Faghani, GholamHosein Ghaedi, and Seyed Massood Nabavi. "Examining the Telehealth Readiness Among Individuals with Multiple Sclerosis." Journal of Patient Experience 12 (2025): 23743735251383247.

- Hozori, Sepideh, **Rezvan Rahimi**, and Zahra Shekofteh. "An immunoinformatics approach to design a potential multi-epitope subunit vaccine against Bordetella pertussis." *Informatics in Medicine Unlocked* 42 (2023): 101358.

- Majdipoor, Leyla, **Rezvan Rahimi**, and Shadab Shahali. "The Effect of mHealth Interventions on Women's Health Outcomes: A Systematic Review of Randomized Controlled Trials." *Journal of Health and Biomedical Informatics* 10.3 (2023): 309-325. (Persian)

- Moghaddasi, Hamid, **Rezvan Rahimi**, Alireza Kazemi, Khadijeh Arjmandi Rafsanjani, Gholamreza Bahoush, and Forough Rahimi. "A Clinical Decision Support System for Increasing Compliance with Protocols in Chemotherapy of Children with Acute Lymphoblastic Leukemia." Cancer Informatics. 21 (2022): doi: 10.1177/11769351221084812.

- **Rahimi, Rezvan**, Batoul Khoundabi, Akram Fathian, Investigating the Effective Factors of Using mHealth Apps for Monitoring COVID-19 Symptoms and Contact Tracing: A Survey among Iranian Citizens. International Journal of Medical Informatics (2021).

- **Rahimi, Rezvan**, Hamid Moghaddasi, Khadijeh Arjmandi Rafsanjani, Gholamreza Bahoush, and Alireza Kazemi. "Effects of Chemotherapy Prescription Clinical Decision-Support Systems on the Chemotherapy Process: A Systematic Review." International Journal of Medical Informatics 122(2019):20-26.

- **Rahimi, Rezvan**, Fathian A, Khoundabi B, Sadooghiasl A. "The use of mobile health applications for professional purposes by nurses during the COVID-19 pandemic". Hayat, Journal of School of Nursing and Midwifery, Tehran University of Medical Sciences. 2022; 28(1): 14-27. (Persian)

- **Rahimi, Rezvan**, Alireza Kazemi, Hamid Moghaddasi, Khadijeh Arjmandi Rafsanjani, and Gholamreza Bahoush. "Specifications of Computerized Provider Order Entry and Clinical Decision Support Systems for Cancer Patients Undergoing Chemotherapy: A Systematic Review." Chemotherapy 63 (2018): 162-171.

- Tofighi, Shahram, **Rezvan Rahimi**, and Hanieh Zehtab Hashemi. "The Future of Clinical Practice Guidelines: Integrating Artificial Intelligence for Optimal Care." *Iranian Journal of Culture and Health Promotion* 7.2 (2023): 207-214. (Persian)

- Hosseini, Azamossadat, **Rezvan Rahimi**. "Conceptual Model of Hospital Cancer Registry Efficient Software." Journal of Iranian Association of Medical Informatics ،Vol 1, No 1 (2014).

- Maryam Amery, Hanieh Zehtab Hashemi, **Rezvan Rahimi**, A Review on Various Machine Learning Algorithms for Classification of Urine Sediments, International Congress on Artificial Intelligence, 17-19 May 2023

EXPERIENCE
(2019- NOW)
ASSISTANT PROFESSOR, Department of Medical Informatics, Faculty of Medical Sciences, Tarbiat Modares University, P.O. Box 14115-331, Tehran, Iran. Phone: +98-21-82884532

(2014 – 2019)
Teaching Assistant, Alborz University of Medical Science

Role Details
Directed aspects of the scheduling and curriculum development of the course, and coordinated assessment, registration, and testing activities.

RESEARCH INTERESTS:

- Artificial intelligence and clinical decision support systems
- Management and analysis of medical big data
- Design and Evaluation in eHealth
- Telehealth and mHealth
- Strategies to increase the interaction of medical staff with health information systems
- Standards and interoperability in healthcare systems
- Biosensors
- Ontology