



## Tayebe Azimi

☎ (+98) 9186327954

**Date of birth:** 28 Jan 1993

✉ **Email address:** [tayebeazimi@yahoo.com](mailto:tayebeazimi@yahoo.com)

🌐 **LinkedIn :** <https://www.linkedin.com/in/tayebe-azimi-32876b95/>

🌐 **Website :** <https://tayebeazimi.github.io/>

🌐 **Github :** <https://github.com/tayebeazimi>

## EDUCATION AND TRAINING

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### Bachelor's degree

**Hamedan University Of Technology** [ 23 Sep 2011 – 14 Sep 2015 ]

[www.hut.ac.ir/](http://www.hut.ac.ir/)

Final grade : 16.10 out of 20

Thesis: Designing and manufacturing an audio and video drag warning device for Alzheimer's patients

### Master's degree

**University Of Isfahan** [ 23 Sep 2018 – 14 Mar 2021 ]

[www.ui.ac.ir/](http://www.ui.ac.ir/)

Final grade : 17.04 out of 20

Thesis: Cardiovascular risk assessment and Covid-19 mortality risk assessment using machine-learning method

## RESEARCH INTERESTS

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Medical statistics, Machine Learning, Data Mining, System Identification, Pattern Recognition, Image and Signal Processing, Computer Game

## PUBLICATIONS

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[1] "Epileptic seizure prediction and onset zone localization using intracranial and scalp electroencephalographic and magnetoencephalographic signals" Hamid Reza Marateb, Carolina Migliorelli, Alejandro Bachiller, Tayebe Azimi, Farzad Ziaie Nezhad, Marjan Mansourian, Joan Francesc Alonso, Javier Aparicio, Maria Victoria San Antonio-Arce, Sergio Romero and Miguel Ángel Mañanas

<https://iopscience.iop.org/chapter/978-0-7503-3279-8/bk978-0-7503-3279-8ch4.pdf>

Modelling and Analysis of Active Biopotential Signals in Healthcare, vol. 1, pp. 4-1, 2020

[2] A 10-year study of risk assessment for cardiovascular diseases based on machine learning methods in Eastern Mediterranean Region

Under Preparations

[3] A one-year mortality risk assessment of COVID02 -19 based on machine learning methods in the Eastern Mediterranean region

Under Preparations

## CONFERENCES AND SEMINARS

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### **International Conference on Computer Games; Challenges and Opportunities**

[ Isfahan, Iran, Jan 2019 – Feb 2021 ]

Executive team member of international Conference on Computer Games; Challenges and Opportunities for two consecutive years.

<https://cgco2021.ui.ac.ir/fa/>

## ACADEMIC EXPERIENCE

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### **Programming an audio and video drug warning device for Alzheimer's patients**

[ Apr 2015 – Sep 2015 ]

### **Risk assessment using machine learning methods (GMDH, Logic regression, Random Survival Forest, Cox)**

[ Jan 2019 – Mar 2021 ]

## LANGUAGE SKILLS

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Mother tongue(s):

**Persian (Native) , Turkish (Native)**

Other language(s): **English**

## IELTS

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will be taken soon

## COMPUTER SKILLS

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Programming Languages: MATLAB, Python, R

Packages: GMDH, Logic Regression, Random Survival Forest, Logistic Regression, H2O

## OTHER EXPERIENCE

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Reducing False Arrhythmia Alarms in the ICU monitors using Matlab

ECG noise reduction techniques

ECG feature extraction

Video pseudo coloring (CNN)

Texture detection using image processing techniques

## WORK EXPERIENCE

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### **Biomedical engineering expert**

*Shiraz university of medical sciences, Shiraz, Iran [ 21 Jan 2016 – 12 Nov 2017 ]*

## INTERESTS

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Jogging, playing volleyball, reading novel

## REFERENCES

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### 1. Dr. Hamid Reza Marateb

Associat Professor

University of Isfahan

Department of Biomedical Engineering

Phone: +989133188782

marateb@gmail.com

h.marateb@eng.ui.ac.ir

### 2. Prof. Marjan Mansourian

Professor

Isfahan University of Medical Sciences

Department of Epidemiology and Biostatistics, School of Health

jmansourian@gmail.com

j\_mansourian@hlth.mui.ac.i

### 3. Dr. Javad Rasti

Assistant Professor

University of Isfahan

Department of Biomedical Engineering

Founder and General Secretary of International Conference on Computer Games; Challenges and Opportunities (CGCO), University of Isfahan, IRAN

rasti@eng.ui.ac.ir

j\_rasti@yahoo.com

### 4. Dr. Rasool Baghbani

Assistant Professor

Hamedan University of Technology, Hamedan, Iran

Department of Biomedical Engineering

baghbani@hut.ac.ir