

# Haniye Shayeste

Biomedical Engineer

## CONTACTS



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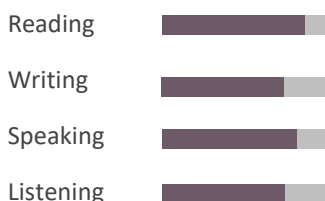
## About Me:

I am a hardworking and highly motivated researcher interested in brain and the electrical nature of it. I'm enthusiastic to learn more about the epilepsy disorder and to find a way for helping the epileptic patients. I'm looking for an appropriate PhD position to achieve this goal.

## Personal Skills

- Hard working
- Motivated
- Creative
- Responsible
- Good listener
- Problem solver
- Good teamwork

## English Skills



No IELTS exam is taken.

Personal opinion is presented as above.

## Education:

**2019-2022** **M.Sc** in Biomedical Engineering  
Tarbiat Modares University  
**Thesis title:** Detection and localization of epileptic seizure using EEG signals.  
**Supervisor:** Dr. Mohammadzade Asl  
**GPA:** 18.33 out of 20

**2014-2018** **B.Sc** in Electrical Engineering  
Buali-Sina University  
**Research title:** Brain-Computer Interface  
**GPA:** 15.43 out of 20

**2014** **Diploma** of mathematics  
Amene High School  
**GPA:** 19.26 out of 20

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## Technical Skills

- C++
- MATLAB
- Signal Processing
- Machine Learning
- Python
- AVR Controllers
- Image Processing
- LaTeX
- Raspberry-Pi
- HTML

## References:

Dr. Babak Mohammadzade Asl, Associate Professor of Biomedical Engineering, Department of Biomedical Engineering, Tarbiat Modares University.  
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Dr. Zahra Sohrabi, Assistant Professor, Faculty of Engineering, Bu-Ali Sina University.  
[z.sohrabi@basu.ac.ir](mailto:z.sohrabi@basu.ac.ir)

Dr. Zahra Bahmani, Assistant Professor of Neuroscience, Faculty of Electrical & Computer Engineering, Tarbiat Modares University  
[z.bahmani@modares.ac.ir](mailto:z.bahmani@modares.ac.ir)

## Publications:

**2022** Shayeste, H., & Mohammadzadeh Asl, B. (2022). Heterogeneous Recurrence Analysis of imaged-EEG for Spatio-Temporal Epileptic Seizure Detection. *IEEE journal of biomedical and health informatics, PP*, 10.1109/JBHI.2022.3208598. Advance online publication.  
<https://doi.org/10.1109/JBHI.2022.3208598>

**2022** Shayeste, H., & Asl, B. M. (2023). Automatic seizure detection based on Gray Level Co-occurrence Matrix of STFT imaged-EEG. *Biomedical Signal Processing and Control*, 79, 104109.

## Academic Experiences:

**2019-2022** Research Assistant  
*Tarbiat Modares University*  
Vital Signal Processing Laboratory

**2019-2021** Teaching Assistant  
*Tarbiat Modares University*  
Digital Signal Processing

**2018** Teaching Assistant  
*Buali-Sina University*  
Electronics

## Awards and honors:

- Ranked 2<sup>nd</sup> among graduated Biomedical Engineering M.Sc students.
- Ranked 5<sup>th</sup> in 2017 Iran-Open Robotic Competition.
- Rank 1<sup>st</sup> in 2008 Quran memorize competition.