

# Dorsa Nezhad Hajian

---



## Personal statement

A dedicated undergraduate student working on a dual bachelor in biomedical and electrical engineering. Truly interested in neurology of human motor pathways and brain machine interfaces. Looking to improve my knowledge in computational modeling of neural networks by implementing chaos theory principles.

---

## Education

- **Middle & High School**

National Organization for Development of Exceptional Talents (Sampad)  
2012 -2018

- **Iranian University Entrance Exam (Konkour)**

524<sup>th</sup> Rank in physics & mathematics exam  
June 2018

- **University**

B.sc © Biomedical Engineering - Bioelectric studies at biomedical engineering faculty - Amir Kabir University of Technology (AUT)  
GPA: 3.98  
2018- Expected Graduation: May 2022

B.sc © Electrical Engineering - Control systems at electrical engineering faculty - Amir Kabir University of Technology (AUT)

- **Elective Courses**

Neuroscience Course [7 Units] [English]  
Course instructed by Dr.Heydari at Faculty of medicine - Baqiyatallah University of Medical Sciences  
August 2021



Jahanshahr , Karaj  
Alborz Provice - Iran



+98-09394476860



Dorsa.dh7@gmail.com

---

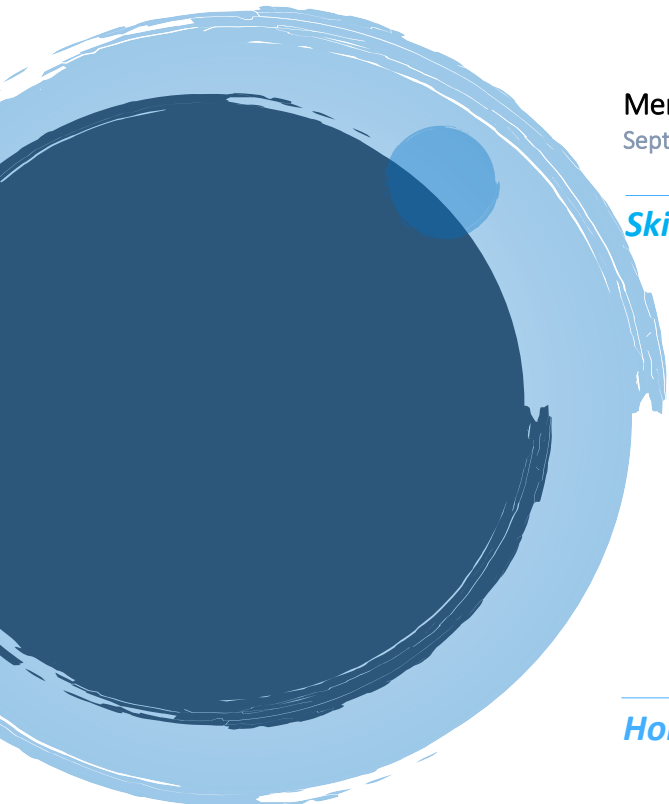
## Research Background

- **A brief study in bioresonance method and its clinical applications**

Bioresonance Lab & Clinic of Amirkabir University of Technology  
Summer 2019

- **A review on recent advancements in brain machine interfaces**

Neuroscience course by Dr.Heydari  
August 2021



Member of Dr. Sajad Jafari Lab -Mathematical and computational Biology  
September 2021-Present

---

## ***Skills***

### **Language**

- English - Advanced level
- German - A2.2 Level

### **Computer**

- Proficient in Microsoft Office – Power point , word , Excel
  - MATLAB Programing
  - Simulation of Control Systems by MATLAB-SimuLink Toolbox
  - Simulations of electrical by Proteus & LTspice
- 

## ***Hobbies and Interests***

- Books [ Various Topics in Personal developments]
- Scientific Podcasts [ Ted Talks Daily]
- Cooking & Baking
- Outdoor running & Body weighted workouts

