

# Sepehr Saeedpour

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Linkedin

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Sepsad.github.io

## RESEARCH INTERESTS

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- Learning & Decision-making
- Neuroscience
- Cognitive science

## EDUCATION

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- **University of Tehran** Tehran, Iran  
B.Sc. in Electrical Engineering, **GPA: 3.55/4** Sep 2017 - Feb 2023
  - **Allameh Helli 1 High School** Tehran, Iran  
Diploma in Mathematics and Physics Discipline, **GPA: 19.09/20** Sep 2013 - Jun 2017
- Affiliated with the National Organization for the Development of Exceptional Talents (NODET)

## RESEARCH EXPERIENCE

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- **Ludwig-Maximilians-Universität München - Crowd Cognition Group** Remote  
Undergraduate Research Assistant June 2021 - Present  
**Supervisor: Dr. Bahador Bahrami**
  - My research was focused on interindividual difference in learning to act or avoid
  - Implemented the orthogonal go/nogo task using jsPsych that its demo could be accessed via this link
  - Analyzed the behavioral data using mixed-model regression and reinforcement learning models
  - Pre-Registration of the research: [osf.io/rndpf](https://osf.io/rndpf)
    - B.Sc. Thesis project
- **University of Tehran - BTCS lab** Tehran, Iran  
Undergraduate Research Assistant Summer 2019  
**Supervisor: Dr. M.R. Abolghasemi Dahaqani**
  - Tried to replicate "Preconscious Prediction of a Driver's Decision Using Intracranial Recordings"
  - Learned about using machine learning algorithms (such as SVM) for analyzing EEG data

## PUBLICATIONS

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- P. Navidi, **S. Saeedpour**, S. Ershadmanesh, M. Miandari, B. Bahrami, "Vicarious learning: model-based or model-free?", submitted to PLOS One

## HONORS AND AWARDS

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- **The Best Undergraduate Project Award** ECE school, University of Tehran 2022
- **ICPC world finalist** Dhaka, Bangladesh Nov 2022  
Coached the team "aFunnyRandomPhrase" from the University of Tehran
- **Silver Medalist** in the 12<sup>th</sup> National Olympiad of Astronomy and Astrophysics (NOAA) 2016  
Silver medals are awarded to about 10 people selected after a year of competition among over 10000 students.
- **4th & 11th Team** in the ACM ICPC regional contest Respectively 2018, 2017
- **National Organization for Development of Exceptional Talents (NODET)** member 2010 – 2017

## WORK EXPERIENCE

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- **YUZ Games Studio - Cafe Bazaar** Tehran, Iran  
Game Data Analyst Apr. 2021 - Aug. 2022
  - Using statistical and machine learning approaches to analyze YOYO games' users' behavior in the game and optimizing various aspects of the game and levels to make for better and better user experience.
  - Cafe Bazaar the most popular Android application store in Iran, with more than 40 million users.
- **People Analytics Team - Cafe Bazaar** Tehran, Iran  
Human Resources Data Analyst Jun. 2019 - Apr. 2021
  - Using data-driven approaches to analyze employees performance and other related metrics to help the company make better decisions for creating a more productive work environment.
- **Allame Helli 1 High school** Summer 2017 - Spring 2019  
Olympiad in Astronomy Instructor
  - Taught Data Analysis methods to students preparing for the National Olympiad in Astronomy & Astrophysics (NOAA).

## TEACHING EXPERIENCE

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- **Teaching Assistant, ECE Department**  
University of Tehran
  - **Machine Learning:** Instructors: Prof. Nadjar Araabi & Dr. Abolghasemi Dahaqani Fall 2020
  - **Engineering Probability and Statistics:** Instructor: Dr. Behnam Bahrak Spring 2020
  - **Engineering Probability and Statistics:** Instructor: Dr. Abolghasemi Dahaqani Fall 2019

## LEADERSHIP AND MEMBERSHIP EXPERIENCE

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- **Member of SocNeuroCrowdJC** June 2021 - Present
  - Participating in journal club sessions
- **Executive Director and Scientific Staff** Winter 2019  
University of Tehran
  - Director at CNCS 2019, Cognitive Neuroscience Competiton for Students
  - Gathered speakers on different topics in cognitive science, Managed a team to execute the event.
- **Performing Arts Club Vice Chair** 2019  
University of Tehran
  - Managed the activities of Theater groups, shows and performances, workshops and events around Performing Arts in University of Tehran.

## SKILLS

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- **Programming:** Python, R, MATLAB, Sql, C++, JavaScript, Bash
- **Statistics & Modelling:** Statistical Tests, GLM models, Reinforcement Learning models
- **Online Experiment Design:** jsPsych, PsychoToolBox, Cognition.run
- **Data Analytics Frameworks:** Pandas, Statsmodels, NumPy, Scikit-Learn
- **Visualization Frameworks:** Matplotlib, Seaborn, Plotly, ggplot2
- **Web Development & Database:** HTML, CSS, Node.js, Docker, PostgreSQL
- **Miscellaneous:** Git, Jupyter Notebook, Linux, Windows, L<sup>A</sup>T<sub>E</sub>X, Microsoft Office (Word, Excel, Powerpoint)