

Soroush Fazel

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EDUCATION

University of Tabriz

Ph.D. Student in Cognitive Neuroscience

Tabriz, Iran

October 2023- Present

University of Tabriz

Master of Science in Cognitive Psychology

Tabriz, Iran

October 2019 – June 2022

GPA: 3.81/4.00

- Awards: Research grant from **Cognitive Science and Technologies Council**
- M.Sc. Thesis: The Effects of Social Hierarchy on Inhibitory Control: an ERP Study
- Supervisors: Dr. Soomaayeh Heysieattalab and Dr. Abdol-Hossein Vahabie
- Relevant Coursework: Cognitive Psychology, Experimental Methods in Cognitive Science, Statistics and Probabilities, Cognitive Neuroscience, Cognitive Modelling

University of Isfahan

Bachelor of Arts in English Literature

Isfahan, Iran

October 2015 – February 2019

GPA: 3.83/4.00

- Relevant Coursework: Linguistics, Research Method, English Academic Writing

RESEARCH INTERESTS

- Social Neuroscience
- Inhibitory and Cognitive Control
- Attention
- Decision-Making
- Cognitive Neuroscience of Language
- EEG and ERPs

RESEARCH EXPERIENCE

Department of Cognitive Neuroscience

Graduate Researcher

University of Tabriz

September 2019 – June 2022

- Worked as a research assistant for 15 months in the Cognitive Neuroscience Lab (CNL) and experimented with EEG, ERPs, and eye-tracking setups
- Designed and executed novel cognitive and electrophysiological experiments to investigate the effects of social hierarchy on inhibitory control
- Participated in 2 other projects and explored the effects of social hierarchy on working memory and moral decision-making
- Collected electrophysiological data from 70 human participants
- Implemented machine learning techniques and mixed-effects models into the analysis of EEG and behavioral data

PUBLICATIONS

Conferences

- **Fazel, S.** "Oxytocin and Social Behavior; from Research to Usage". (Poster and Presentation). International Congress on Bio-medicine, Tehran, Iran, 2022.
- **Fazel, S.,** Yousef Saber F. "Cognition and Microbes; Emerging a New Era in Neuroscience". (Poster and Presentation). International Congress on Bio-medicine, Tehran, Iran, 2021.

Articles

- **Fazel, S.,** Vahabie, A.-H., Navi, F. F. T., Heysieattalab, S. (2024). Unraveling the social hierarchy: Exploring behavioral and neural dynamics in shaping inhibitory control. *Behavioural Brain Research*, 456, 114686. <https://doi.org/10.1016/j.bbr.2023.114686>
- **Fazel, S.,** Vahabie, A. H., Navi, F. F. T., Heysieattalab, S." Error-Related Negativity in the Social Context" (In Preparation)

LEADERSHIP/ TEAMWORK EXPERIENCE

Brain and Cognition Academic Association

Co-Leader

University of Tabriz
September 2019 – June 2022

- Managed and supervised a 30-hour workshop in Programming and Data Analysis with MATLAB
- Directed a conference titled "Introduction to Cognitive Science 2019"

Member of Foreign Languages Academic Association

Leader

University of Isfahan
September 2015 – February 2019

- Performed in two theatrical plays
- Administered five workshops and seminars on the subjects of language and linguistics
- Organized a celebratory event for cultural diversities

Member of National Brain Mapping Lab

Lecturer

September 2019 – Present

- Designed and delivered a presentation on "Effect of Life History and Environmental Contingencies on Brain's Functioning"

ADDITIONAL EXPERIENCE

Academic Projects

University of Tabriz

- Presented a lecture on the "Cognitive Deficits of Schizotypal Personality Disorder"
- Analyzed MRI methods, such as fMRI and Diffusion MRI
- Reviewed Literature on the topic of Executive Functions Development
- Lectured on "Cognitive Linguistics and Neurolinguistics"

Signal Processing Course (17 weeks)

University of Tabriz

- Accomplished mastery of how to deal with EEG and ERP signals using MATLAB

Statistics with R Specialization (17 weeks)

Duke University

- Exposed to basic concepts in probability and data
- Developed mastery of statistical inference methods for numerical and categorical data
- Worked with simple and multiple linear regression models

Medical Neuroscience Course (12 weeks)

Duke University

- Explored the functional organization and neurophysiology of the human central nervous system
- Examined the organization of the neural systems in the brain and spinal cord that mediate sensation, motivate bodily action, and integrate sensorimotor signals with memory, emotion, and related faculties of cognition

Social Psychology Course (7 weeks)

Wesleyan University

- Investigated classic and modern research in the field of social psychology

TEST SCORE

IELTS: 7

- Listening: 8 • Reading: 7 • Writing: 6 • Speaking: 7.5

GRE General: 313

- Verbal Score: 154 • Quantitative Score: 159 • Writing Score: 4
- Verbal Percentile: 62 • Quantitative Percentile: 64 • Writing Percentile: 54

SKILLS

- **Computer Programming:** RStudio, MATLAB, HTML, CSS, LaTeX, Psychopy, Psychtoolbox
- **Laboratory Skills:** EEG, ERPs
- **Language Skills:** Fluent English Skills, Basic French and German skills

WORK EXPERIENCE

ESL Teacher

- Worked for 80 hours with 50 children and improved their vocabulary
- Collaborated with five fellow teachers on how to construct a better learning environment

Naami Institute

September 2016- July 2018

ESL Teacher

- Guided 35 adults to enhance their language comprehension skills

Kasra Institute

January 2018- May 2019

Online ESL Tutor

- Taught English online to 100 Chinese Children

Acadsoc

February 2020- June 2021

Online ESL Teacher

- Tutored English online to 50 adults

Iran-Europe Language Institute

December 2020- March 2021

REFERENCES

Name: Dr. Abdol-Hossein Vahabie

Position: Assistant Professor

Email: H.vahabie@ut.ac.ir

Location: Tehran University, Tehran, Iran

Name: Dr. Soomaayeh Heysiyattalab

Position: Assistant Professor

Email: S.heysiyattalab@tabrizu.ac.ir

Location: University of Tabriz, Tabriz, Iran

Name: Dr. Zahra Jannessari-Ladani

Position: Assistant Professor

Email: Z.jannessari@fgn.ui.ac.ir

Location: University of Isfahan, Isfahan, Iran