Hamed Abdi
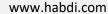
Golestan DE., AhmadPour St., Darakeh, Tehran, Iran.
+98-912-6164659 | +98-903-2244789
hamedabdi62@gmail.com
www.habdi.com

EDUCATION

PhD | Shahid Beheshti University (SBU)
Computational Cognitive Science
2015 – Present
Thesis: Structural Model of Cognitive Mechanisms involved in Prediction of Cooperative Behavior in Social Situations; Based on Theory of Mind and Game Theory

MSc | University of Isfahan (UI)
History and Philosophy of Science
2011 – 2013
Thesis: The Problem of Induction; A Bayesian Approach to Inductive Reasoning
Seminar I: Relativity and Geometry; Philosophical Aspects of Modern Cosmology
Seminar II: The Possibility of Cooperation; The Cognitive and Philosophical Aspects of Cooperative Behavior

BSc | Zanjan University (ZNU)
Telecommunication Engineering
2005 – 2009
Thesis: Analysis of Radio Telescope Antenna (Big Ear) Using S-NEC

RESEARCH INTEREST

- Philosophy (Epistemology, Science, and Ethics)
- NeuroPhilosophy, NeuroEthics, NeuroAesthetics, and Experimental Philosophy
- Social Cognition, Emotions, and Intelligence
- Social Dilemma, Trilemma, and Polylemma
- Complex Systems & Complexity Science
- NeuroEconomics & Game Theory
- Data Mining & Pattern Recognition
- Artificial Intelligence & Brain-Computer Interface
- Human-Computer Interaction (HCI) & User Experience Design (UXD)

🔍 RESEARCH EXPERIENCE

Research Assistant | Institute for Cognitive and Brain Sciences
Cognitive Game Theory Group
2017 – 2018
Supervisor: Prof. Madjid Eshaghi Gordji

Research Assistant | Institute for Cognitive and Brain Sciences
Laboratory of Brain–Computer Interface (BCI)
2016 – 2017
Supervisor: Prof. Reza Ghaderi
- *An EEG-Based Brain-Computer Interface for Emotion Recognition*

Research Assistant | Institute for Cognitive and Brain Sciences
Laboratory of Brain Signals and Images Analysis
2016 – 2017
Supervisor: Prof. Gholamreza Jafari
- *Screening of Autism Based on Task-Free fMRI Using Graph Theoretical Approach*

Research Assistant | Shahid Beheshti University
Comprehensive Scientific Program
2016 – 2017
Supervisor: Prof. Hamidreza Pouretemad
- *Tree of Knowledge of Cognitive Science*

Research Assistant | University of Isfahan
History and Philosophy of Science Department
2011 – 2013
Supervisor: Dr. Amirehsan Karbasizadeh
- *Epistemology and Philosophy of Cognitive Science*

Research Assistant | University of Isfahan
History and Philosophy of Science Department
2011 – 2013
Supervisor: Prof. Rasoul Roknizadeh
- *Philosophy of Quantum Information*

Research Assistant | Xrobox Co.
Xrobox Robotic Group
2009 – 2011
Supervisor: Dr. Ali Anvari
- *Digital Image and Video Processing*

Research Assistant | Zanjan University
Antenna Research Group
2008 – 2009
Supervisor: Prof. Habibollah Zolfkhani
- *Radio Cosmology and Radio Astronomy Data Analysis*

✏️ PUBLICATION

Journal Paper:
- Eshaghi Gordji, M.; Askari, G.; Abdi, H. Why Is a Boycott of the Elections a Bad Idea?. *Preprints* 2018, 2018080247 (doi: 10.20944/preprints201808.0247.v1).

Books:
- Translation of "*Social Dilemmas; The Psychology of Human Cooperation*" to Persian
- Translation Parts of "*Philosophy and The Neurosciences: A Reader*" to Persian

Conference Paper:
- H. Abdi, G. Jafari, "Fractal Analysis of Medieval Paintings and Evolution of Visual Perception", 7th International Conference of Cognitive Science (ICCS 2017)
- H. Abdi, S. Sabaghypour, A. Ghaderi, "*Time Perception: Time in Philosophy, Physics and Psychology*", 6th Basic & Clinical Neuroscience Congress (BCNC2017)
- H.abdi, N. Gorgin, M.Eslami "*Realism and the Challenge of Moral Dilemmas*",3rd Student Philosophy Conference (JPHIL2015)

💻 TEACHING EXPERIENCE

Teaching Assistant | Institute for Cognitive and Brain Sciences
Title: Dynamical Systems in Neuroscience
2015 – 2016
Reference: Dynamical Systems in Neuroscience - Izhikevich
Supervisor: Prof. Gholamreza Jafari & Dr. Fatemeh Bakouei

Teaching Assistant | University of Isfahan
Title: Philosophy of Quantum Mechanics
2012 – 2013
Reference: Philosophy of Quantum Mechanics - Albert
Supervisor: Prof. Rasoul Roknizadeh

Teaching Assistant | University of Isfahan
Title: Philosophy of Quantum Information
2012 – 2013
Reference: Philosophy of Quantum Information and Entanglement - Bokulich
Supervisor: Prof. Rasoul Roknizadeh

Teaching Assistant | University of Isfahan
Title: Social Epistemology
2012 – 2013
Reference: Social Epistemology - Adrian Haddock, Alan Millar, and Duncan Pritchard
Supervisor: Dr. Amirehsan Karbasizadeh

Teaching Assistant | University of Isfahan
Title: Cognitive Psychology
2012 – 2013
Reference: Philosophy and the Neurosciences: A Reader - William Bechtel
Supervisor: Dr. Ali Zarei

WORKSHOP & PRESENTATION

Workshop:
- Human Factors (Every User has a Mind) - Rahnema College 2017 & 2018
- Structural Equation Modeling in R - ICBS 2018
- Python for Cognitive Scientists - ICBS 2017
- Matlab for Cognitive Scientists - ICBS 2017
- The Game Theoretical Matlab Toolbox MatTuGames - ICBS 2017
- A Direct Brain-to-Brain Interface in Humans - ICBS 2017

Presentation:
- Applications of Game Theory in Cognitive Science - ICBS 2018
- Reduced Sensitivity to Social Priors during Action Prediction - IPM 2017
- The Construction of Visual Reality (Predictive Coding Framework) - ICBS 2017
- Markov Decision Process - ICBS 2016
- Predictive Processing & Predictive Coding Framework - ICBS 2016
- NeuroAesthetics - ICBS 2016
- Experimental Philosophy, Solutions and Challenges – Isfahan University 2013
- Mental Representation - Isfahan University 2013
- From Neuroscience to Philosophy and Vice Versa - Isfahan University 2013
- Introduction to Computational Theory of Mind (CTM) - Isfahan University 2013

SKILLS

Programming Skills:
- Scientific Programming:
    - Matlab (SPM, EEGLAB, BCILAB, FracLab, Psychtoolbox, MatTuGames)
    - Python (PsychoPy, Pandas, Gambit, SageMath)
    - R (GameTheory, SPM12r, SEMTools)
    - NetLogo (Agent-Based Programming Language)
    - Microcontroller Programming (AVR, ARM, FPGA)

Other Skills:
- NeuroMarketing tools and methods (Eye Tracker, EEG, Behavioral Analysis)
- Computational Modeling (Game Theory, Bayesian Statistics, SEM)
- Concepts of Marketing, Branding, Communication and Advertising (MBCA)
- Qual/Quant Marketing Research and Analysis
- Statistics and Data Analysis
- UX and Service Design
- Situation Analysis (SWOT, PEST, 5 Cs) to Creating Marketing Strategy
- Project Management based on Scrum Framework
- Front End Programming (D3.js, CSS, HTML)

Language Skills:
- **Persian:** Native
- **English:** Good
- **Arabic, Turkish:** Fair

WORK EXPERIENCE

Business Development Manager | Atvision
(Part Time) OCT 2016 – Present
Key Responsibilities:
1) Identifying new prospects in Marketing and Advertising industry.
2) Negotiating with effective people in the field of M&A in order to achieve common goals.
3) Following up new business opportunities in M&A industry and setting up meetings.
4) Designing and developing short, medium and long-term strategies to improve situation of our agency in M&A industry.
5) Tracking and analyzing trends of M&A industry and preparing reports to CEO.
6) Preparing draft of contracts with partner companies.
7) Designing and developing M&A strategies based on objectives and Marketing perspectives of costumers.

Chief Technology Officer | Sadaf Co.
(Part Time) JUL 2015 – JAN 2018
Key Responsibilities:
1) Proposing media plan and marketing strategy for Digital Marketing campaigns based on campaign goals and KPIs.
2) Managing Digital Marketing campaigns and preparing standard reports for customers.
3) Collaborating with Digital Marketing Agencies and strategic partners to optimize Digital Marketing Campaigns.

Research and Development Manager | Xrobox Robomakers
(Full Time) MAR 2014 – JUL 2015
Key Responsibilities:
1) Leading and managing several technical projects (Robotics, Modular Educational Tools).
2) Managing and planning for robotics competitions.
3) Developing robotics courses based on efficient educational methods.

Knowledge Management Expert | Omid Technologies
(Full Time) OCT 2013 – MAR 2014
Key Responsibilities:
1) Providing user guide, white paper and instructions for technical processes and procedures.
2) Creating suitable content for customers and customer service.
3) Cataloging and archiving documented knowledge for easy access.

Research and Development Engineer | Xrobox Robomakers
(Full Time) JUN 2009 – SEP 2011

MEMBERSHIPS & CERTIFICATES

- Member of Iranian Society for Cognitive Science and Technology
- Member of Iranian Association for Popularization of Science (IAPS)
- Member of Scientific Society of Philosophy (University of Isfahan)
- Member of Iranian Association of Social Psychology
- 3 day workshop on fMRI data analysis (IPM 2016)
- 2 day workshop on Principles of Neural Coding (IPM 2016)
- 6th Summer School in Analytic Philosophy: Internalism and Externalism: Content, Cognition and Norm (IPM 2016)
- 5th Summer School in Analytic Philosophy: Topics in Philosophy of Mind (IPM 2015)
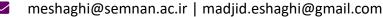
HOBBIES

- Photography
- Painting
- Cinema & Theatre
- Sudoku & Chess
- Hiking & Biking

REFERENCES

Prof. Madjid Eshaghi Gordji
Faculty of Mathematics, Statistics and Computer Science
✉ meshaghi@semnan.ac.ir | madjid.eshaghi@gmail.com
📞 +98-912-3301256

Prof. Rasoul Roknizadeh
Faculty of Sciences, Department of Physics & Department of Philosophy
✉ rokni@sci.ui.ac.ir
📞 +98-31-37934740

Dr. Yousef Shaghool
Faculty of Literature, Department of Philosophy
✉ y.shaghool@ltr.ui.ac.ir | y.shaghool@gmail.com
📞 +98-31-37933145