Hamed Abdi

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🎓 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 Cooperation Behavior

BSc | University of Zanjan (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, and NeuroAesthetics
- Social Cognition, Emotions, and Intelligence
- Social Dilemma, Trilemma, and Polylemma
- NeuroEconomics & Game Theory
- Complex Systems & Complexity Science
- Data Mining & Pattern Recognition
- Human-Computer Interaction & User Experience Design

🔍 RESEARCH EXPERIENCE

Research Assistant | Institute for Cognitive and Brain Sciences
LABORATORY OF BRAIN–COMPUTER INTERFACE (BCI)
2016 – 2018
Supervisor: Dr. Reza Khosrowabadi
- *An EEG-Based Brain-Computer Interface for Emotion Recognition*

Research Assistant | Institute for Cognitive and Brain Sciences
LABORATORY OF BRAIN SIGNALS AND IMAGES ANALYSIS
2015 – 2018
Supervisor: Dr. Reza Khosrowabadi
- *Screening of Autism Based on Task-Free fMRI Using Graph Theoretical Approach*

Research Assistant | Shahid Beheshti Univeristy
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 Processing*

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

🖥️ TEACHING EXPERIENCE

Teaching Assistant | Institute for Cognitive and Brain Sciences
Title: Dynamical Systems in Neuroscience
2015 – 2016
Reference: Dynamical Systems in Neuroscience - Izhikevich

Teaching Assistant | University of Isfahan
Title: Philosophy of Quantum Mechanics
2012 – 2013
Reference: Philosophy of Quantum Mechanics - Albert

Teaching Assistant | University of Isfahan
Title: Philosophy of Quantum Information
2012 – 2013
Reference: Philosophy of Quantum Information and Entanglement - Bokulich

Teaching Assistant | University of Isfahan
Title: Cognitive Psychology
2012 – 2013
Reference: Cognitive Psychology, Sixth Edition – Sternberg

👥 WORKSHOP & PRESENTATION

Workshops:
- Human Factors (Every User has a Mind) - Rahnema College 2018
- Cognitive Science Perspective on User eXperience (UX) - Rahnema College 2017
- Time Perception: from Philosophy to Brain - 6th Basic & Clinical Neuroscience Congress (BCNC2017)
- Matlab for Neuroscientists - ICBS 2017
- The game theoretical Matlab toolbox MatTuGames - ICBS 2017
- A direct Brain-to-Brain Interface in humans - ICBS 2017

Presentations:
- 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
- Mental Representation - Isfahan University 2013

⚒ 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.

⚙ SKILLS

Programming Skills:
- Scientific Programming:
  - Matlab
  - Python
  - R
  - NetLogo (Agent-Based Programming Language)
- Microcontroller Programming:
  - AVR
  - ARM
  - FPGA
- Front End Programming:
  - D3.js
  - CSS
  - HTML

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

Other Skills:
- Concepts of Marketing, Branding, Communication and Advertising
- NeuroMarketing tools and methods (Eye Tracker, EEG, Behavioral Analysis)
- Computational Modeling (Game Theory, Bayesian Statistics, SEM)
- Project Management based on Scrum Framework
- Qual/Quant Marketing Research and Analysis
- Statistics and Data Analysis
- UX and Service Design

🎨 HOBBIES

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