

MOOJAN GHAFURIAN

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Current Address: State College, PA, USA Permanent Residency: North Vancouver, Canada

RESEARCH INTEREST

I am interested in Artificial Intelligence, Human-Computer Interaction, and Cognitive Science. My current research is in finding models that explain how people make timing decisions, what biases affect their decision-making, and how to design interfaces that can moderate those biases to improve users' decision-making and their overall satisfaction.

EDUCATION

- CURRENT** **Doctor of Philosophy** in INFORMATION SCIENCES AND TECHNOLOGY
 Ph.D. Candidate (ABD)
 Advisor: Dr. David Reitter
 Dissertation: Impatience in Dynamic Decision-Making: Its Moderation, and Implications for User Interface Design
Ph.D. minor in Computational Science; an interdisciplinary graduate minor program
The Pennsylvania State University, USA
 GPA: 3.88/4
- 2013 **Bachelor of Science** in COMPUTER SCIENCE AND ENGINEERING (Software Engineering)
 B.Sc. thesis: Intelligent Tutoring System for Toddlers and Preschoolers
University of Tehran, Iran
- 2008 High School Diploma in MATHEMATICS AND PHYSICS
Farzanegan High School, Tehran, Iran
 Affiliated with National Organization for Development of Exceptional Talents (**NODET**)

WORK EXPERIENCE AND PROFESSIONAL PREPARATION

- JUNE 2017 **Summer School** on Cognitive Robotics. *MIT, Cambridge, MA, USA*
- FALL 2013 **Research Assistant**
 SPRING 2014 *Pennsylvania state University, College of Information Sciences and Technology*
 FALL 2015 Investigating the effects of impatience bias on timing decisions, how to moderate
 FALL 2016 impatience, and implications for HCI. Responsibilities included designing, implementing and running experiments, data-analysis, and modeling.
- SUMMER 2012 **Summer Internship**
 International Association for the Exchange of Students for Technical Experience (IAESTE)
Silesian University of Technology, Gliwice, Poland
 Developing cross-platform mobile applications using QT

ACADEMIC HONORS AND AWARDS

- 2017 **NSF Travel Grant**
 Summer School on Cognitive Robotics, MIT, Boston, USA
- 2017 **GHC Scholarship**
 Grace Hopper Celebration of Women in Computing, Florida, USA
- 2017 **Travel Award**, Human Computer Interaction Consortium (HCIC) 2017
- 2017 **Travel Award**, CRA-W Grad Cohort 2017
- 2016 **Selected for Participation at the ACM Student Research Competition (SRC)**
 Grace Hopper Celebration of Women in Computing

2016	ACM SRC Travel Award , Grace Hopper Celebration of Women in Computing
2014	GHC Scholarship Sponsored by eBay inc. Grace Hopper Celebration of Women in Computing, Arizona, USA
2007	Qualified for Participation in Robocup International Competitions World Robocup Competition, Atlanta, USA
2006, 2007	Fourth and Third Place, Junior Soccer Secondary 2 on 2 League Iran Open Robocup Competition, Tehran, Iran
2006	Fourth Place, Junior Soccer Secondary 2 on 2 League World Robocup Competitions, Bremen, Germany
2006	First Place, Junior Soccer Secondary 1 on 1 League Iran Open Robocup Competitions, Tehran, Iran
2005	5th Place among Tehran High School Students Robotic Program Selection Exam, Tehran, Iran
2000	Accepted in Schools of National Organization for Development of Exceptional Talents (NODET Entrance Exam with 1% acceptance rate), Tehran, Iran

TEACHING EXPERIENCE

I have been a teaching assistant in the following courses. Responsibilities included: Teaching sessions of classes; holding problem-solving sessions; designing assignments, quizzes, midterm/final exams, and class competitions; grading and providing feedback; serving as a chief TA, responsible for managing the course, assignments, and coordinating other TAs; tutoring students in class and during office hours.

Object-Oriented Design and Software Applications (IST 311), Spring 2017, Instructor: Dr. D. R. Mudgett
Organization of Data (IST 210), Spring 2016, Instructor: Dr. B. V. Hanrahan
Usability Engineering (IST 413), Spring 2015, Instructor: Dr. F. E. Ritter
Organization and Design of Information Systems: User and System Principles (IST 331), Spring 2015, Instructor: Dr. F. E. Ritter
The Engineering of Complex Software Systems (IST 412), Fall 2014, Instructor: Dr. D. R. Mudgett
Intelligent Systems, Spring 2013, Instructor: Dr. M. Mirian
Multiagent Systems, Fall 2012, Instructor: Dr. F. Taghiyareh
Programming Languages (Chief Teaching Assistant), Fall 2012, Instructor: Dr. F. Ghasemi
Artificial Intelligence, Fall 2011 and Fall 2012, Instructor: Dr. M. Mirian
Discrete Mathematics (Chief Teaching Assistant), Spring 2012, Instructor: Dr. S. Mohammadi
Discrete Mathematics, Fall 2010 and Spring & Fall 2011, Instructor: Dr. S. Mohammadi
Theory of Formal languages and Automata, Fall 2010 and Spring 2011, Instructor: Dr. K. Fooladi

MANUSCRIPTS IN PREPARATION OR UNDER REVIEW

Moojan Ghafurian and David Reitter (45 pages, in preparation)
Impatience in Dynamic Decision Making

Moojan Ghafurian, Frank Ritter, and David Reitter (Under Review)
Countdown Timer Speed: A Trade-off between Delay Duration Perception and Recall

Moojan Ghafurian and David Reitter (30 pages, in preparation)
Moral decision-making about time: How appropriate is it to save time by taking it from others?

Moojan Ghafurian and David Reitter (in preparation)
Are delays always Disadvantageous? - Positive Effect of Short Delays on Users' Time Perception and Satisfaction

PUBLICATIONS

Jeremy R. Cole, **Moojan Ghafurian**, and David Reitter. 2017.
Is Word Adoption a Grassroots Process? An Analysis of Reddit Communities
 In Social, Cultural, and Behavioral Modeling. Washington, D.C., Springer.

Jeremy R. Cole, **Moojan Ghafurian**, and David Reitter. 2017.
Linking Memory Activation and Word Adoption in Social Language Use via Rational Analysis
 In Proceedings of the 15th International Conference on Cognitive Modeling. London, UK.

Moojan Ghafurian and David Reitter. 2016.
Impatience Induced by Waiting: An Effect Moderated by the Speed of Countdowns
 In Proceedings of the 2016 ACM Conference on Designing Interactive Systems (DIS '16).
 ACM, Brisbane, Australia, 556-564. DOI=<http://dx.doi.org/10.1145/2901790.2901830>

Moojan Ghafurian and David Reitter. 2016.
Gender Differences in the Effect of Impatience on Men and Women's Timing Decisions
 In Proceedings of the 38th Annual Meeting of the Cognitive Science Society (CogSci 2016).
 Philadelphia, PA, USA, 1223-1228.

Moojan Ghafurian and David Reitter. 2014.
Impatience, Risk Propensity and Rationality in Timing Games
 In Proceedings of the 36th Annual Meeting of the Cognitive Science Society (CogSci 2014).
 Quebec City, QC, Canada, 2841-2846.

FURTHER CONFERENCE PRESENTATIONS

Moojan Ghafurian
Moderating Users' Impatience Using Fast Countdowns
 Grace Hopper Celebration of Women in Computing, 2016
 ACM Student Research Competition

David Reitter, **Moojan Ghafurian**, and Jens Grossklags
Systematic, Individual and Situational Biases in Timing Decisions
 Oral Presentation at the International Meeting of the Psychonomic Society, Granada, Spain, 2016

Moojan Ghafurian
Impatience, Risk Propensity and Rationality in Timing Games
 Grace Hopper Celebration of Women in Computing, 2014, General Poster Session

COMPUTER SKILLS

Programming: PYTHON, JAVA, C/C++, MYSQL, PHP, JAVASCRIPT, R, HTML, MATLAB, \LaTeX

PROFESSIONAL MEMBERSHIPS

Association for Computing Machinery (ACM)
 Society for Judgment and Decision Making
 Cognitive Science Society

SERVICE

2017	Reviewing conference papers: Annual Meeting of the Cognitive Science Society (CogSci)
2016, 2017	Reviewing conference papers: International Conference on Cognitive Modeling (ICCM)

2017	Oral presentation reviewer/judge for the 14th Annual College of Engineering Research Symposium (CERS 2017), Simulation and Mechanisms session, Penn State
2017	Judge for the Undergraduate Exhibition 2017, Engineering session, Penn State
2016	Judge for the 82nd Annual State Competition of the Pennsylvania Junior Academy of Science
AUG. 2015-AUG. 2016	Vice President of ISA (student organization) at Penn State
AUG. 2014-AUG. 2015	Officer of Graduate Student Association at IST (GIST)
FALL 2014 & SPRING 2015	Member of IST Travel Award Committee

EXTRACURRICULAR HONORS AND AWARDS

2007	Awarded the National Distinguished Solo Piano Player The First Festival of Private Art Institutes, Tehran, Iran
2011 & 2012	Captain and coach of the College of Engineering's Futsal team University of Tehran, Tehran, Iran
2005, 2006, & 2007	3rd, 3rd, and 2nd Place of Futsal Competitions NODET High School Competition, Tehran, Iran