

Parisa Rashidi, Ph.D.

University of Florida

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a. Professional Preparation

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| University of Tehran, Iran | Computer Engineering | B.Sc., 2005 |
| Washington State University, WA | Computer Science | M.Sc., 2007 |
| Washington State University, WA | Computer Science | Ph.D., 2011 |

b. Appointments

- Assistant Professor, University of Florida, Biomedical Engineering, 2013 – Present
- Affiliate Assistant Professor, University of Florida, Electrical & Computer Engineering, Computer & Information Science & Engineering, 2013 – Present
- Assistant Professor, Northwestern University, biomedical Informatics, 2012–2013

c. Research

Google Scholar Profile: h-index = 19, i10 = 23, citations > 2200

Monitoring patient status has been traditionally done through manual assessments and diagnoses. While this is still considered as the gold standard, manual assessments impose serious limitations in terms of time and personnel resources. The recent advances in sensing technology along with machine learning methodology has allowed us to automating certain aspects of patient monitoring. I have been extensively involved in developing intelligent health environments, with highly-cited manuscripts and literature review papers. [Link](#)

d. Honors, Awards, and Synergic Activities

- NSF CAREER Award, (2018). As part of my NSF CAREER award, I will provide a highly-integrated research and educational program for Florida high school teachers and students, and University of Florida (UF) undergraduate students in the context of an intelligent ICU. I will sponsor summer internships for math teachers, and will organize an Intelligent Machines workshop on coding and machine intelligence for the high school students. I will also develop focused research and training activities for undergraduate students. These outreach and training programs will be used to promote interest in science, technology, engineering, and mathematics (STEM) fields among Florida high school students and UF undergraduate students.
- The Outstanding Dissertation Award, Washington State University (2011): The expertise to carry out the proposed research, began to develop while pursuing my M.S. and Ph.D. degrees in computer science under the supervision of Dr. Diane J. Cook. I contributed to developing machine learning algorithms for a large-scale smart home project (CASAS) for monitoring the cognitive and functional status of older adults suffering from Alzheimer's diseases. In that project, I developed several machine learning algorithms for autonomous human activity recognition from sensors deployed throughout the home to infer patient's cognitive and functional status and trajectory. I received the 2011 outstanding PhD dissertation award for my contributions.
- BMES Innovation and Career Development Award (2015): I was the recipient of this

award provided by the Biomedical Engineering Society. It was provided to recognize the efforts for the development of a Biomedical Data Science track at the Biomedical Engineering department at University of Florida, as well as developing an interdisciplinary research lab hosting students with a passion for both biomedical and computational problems.

- National Academy of Engineering (NAE), Frontiers of Engineering program, Invited participant (2017): The Frontiers of Engineering program brings together a select group of emerging engineering leaders from industry, academe, and government labs to discuss pioneering technical work and leading edge research in various engineering fields and industry sectors.
- Translational and Commercialization Activity (2014 - Present): I have closely worked with a startup company (TAO Connect, Inc.) and helped them obtain their initial rounds of funding (~\$1M). I served as the University PI on the National Science Foundation Small Business Technology Transfer (NSF STTR) Phase I grant, NSF STTR bridge grant, Phase II NSF Small Business Innovation Research (SBIR) grant, and a state grant from Florida High Tech Corridor Council (FHTCC). The resulting software is being used in more than 50 universities in the United States and Canada. I also have worked with another company (QMedic) on a Phase II NIH SBIR grant.
- Other Awards:
 - Invited participant, Microsoft Faculty Summit (2015),
 - National Science Foundation Travel Award, Computing Challenges in Future Mobile Health Systems and Applications (2014),
 - Graduate Research Award, Washington State University (2006),
 - Max-Planck Summer School Travel award (2005)
- Professional Activities:
 - NSF Panelist, CISE (2011-2016),
 - NIH Instructor on Machine Learning for m-Health (2014, 2013),
 - Co-Chair, Workshop on Smart Health Systems, ACM International Conference on Pervasive and Ubiquitous Computing (UbiComp) (2014),
 - Program Committee, ACM Conference on Knowledge Discovery and Data Mining (KDD) (2015),
 - Member, Association for Computing Machinery (ACM) (2006-Present),
 - Member, Computer Society, Institute of Electrical and Electronics Engineers (IEEE) (2006-Present),
 - Member, American Medical Informatics Association (AMIA) (2012-Present)