Saman Golestannejad

CONTACT INFORMATION

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RESEARCH INTERESTS

- ◇ Neuroscience
- ◇ Bioinformatics
- ◇ Machine learning
- ◇ Computer Vision

EDUCATION

Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran

- ◇ B.Sc. software Engineering, 2013 - 2018
  (Ranked 2 among all Iranian Universities)
  (Ranked 90 top Computer Science Universities in the World)
  - **Cumulative Grade Average till now**:
    - all unit(110 unit) GPA: 15.85
    - relevant 28 unit GPA: 17.20
  - **Online Courses**:
    Machine Learning(Stanford University), Neural Networks and Machine Learning(University of Toronto), Convolutional Neural Networks for Visual Recognition(CS231n Stan- ford University), Mining Massive Datasets(Stanford University), Algorithms I(Princeton University), Game Theory(Stanford University and UBC)
  - **Undergraduate Project Advisor**: Dr. Mehran S. Fallah

Allame Helli High School, Kerman, Iran

- ◇ Diploma in Physics and Mathematics Discipline 2009 - 2013
  - Cumulative Grade Average: 19.2/20
  - Affiliated with National Organization for Development of Exceptional Talents (NODET)

RELEVANT EDUCATION AND COURSEWORK

- ◇ Artificial Intelligence, Design of Algorithms, Engineering Statistics, Discrete Structures, Data Structures and Algorithms, Data Storage Retrieval, Principles of Database Design, Principles of Computer and Prog, Operating Systems, Technical English

HONORS AND AWARDS

- ◇ 1rd Place, Tournament of the Towns Math Competition, Kerman, Iran, 2011
- ◇ Ranked in top 0.2 percent place among all applicants for the University Entrance Nationwide Exam (Approximately 350000 test-takers) in Math. and Eng., Iran, 2012
- ◇ Won acceptance in the first stage of the nationwide competition on to select Computer Olympiad team, 2010 and 2011.

NOTABLE PROJECT

- ◇ **Research Project**
  - **Comparing Corresponding fMRI, ECOG and EEG data in Human VTC***Fall 2017*
    This research is focused on validating the correlation on between corresponding ECOG, EEG and fMRI data. The data are collected from epilepsy patients and we will design a task for showing same active regions in the brain by Blood-oxygen-level dependent and related signals. This research is supported by Royan institute under supervision of *Dr. khaligh-razavi*

- **Development of a Communication Node in ROS** *summer 2017*
  Development of a communication on node that interacts both with the ROS nodes of the robots and with a simulator (Gazebo), in order to receive requests and uses various models of signal propagation on to decide if two robots can communicate or not.

◇ **Academic Course Projects**

- **Image Compression Using Low Rank Matrix Approximation** *fall 2016*
  (Matlab, Matrix Factorization on, SVD), Advanced Engineering Mathematics.
- **Designing a process for virtual ticket sales system** *fall 2016*
  (Agile and other so ware engineering methodology, UML, DML and etc.), Software Engineering
- **Implementing Process Migration on on xv6 operating System** *fall 2015*

- **Motion Planner Using Dijkstra Algorithm** *spring 2015*
  (Java), Dijkstra, A*, Algorithm Design
- **Implementing a File Compressor Using Huffman Algorithm** *summer 2015*
  (BST tree, Insertion on Sort) (Java), Data Structures
- **Super Mario for C** *fall 2014*
  ((C, Lexer ,Parser, Intermediate Code Genera on), Principles of Computer Programming.

RESEARCH EXPERIENCE

◇ **Research Assistant at AIRLab** *Jun 2017 - Present*
Politecnico di Milano.
Supervisor: Prof. Amigoni

◇ **Research Assistant at Royan Institute** *Jun 2017 - Present*
Supervisor: Prof. Khaligh-razavi

◇ **Cognitive Robotics Laboratory** *Feb 2016*
Amirkabir University of Technology, Tehran, Iran
Supervisor: Prof. shiry

COMPUTER SKILLS

◇ **Programming**: C/C++, Java, Python,Matlab
◇ **Operating System and Frameworks**: Linux, Windows, Mac OS ,IPython, OpenCV, GNU Octave,Pandas
◇ **Scripting**: JavaScript, Bash
◇ **Typesetting**: Latex, Microsoft word

SPOKEN LANGUAGE

◇ **Persian**: native speaker
◇ **Arabic**: fair in reading and listening
◇ **English**: Fluent
- TOEFL: registered for Nov. 4, 2017

HOBBIES

◇ Playing **Piano**
◇ Drawing scene and sketching
◇ Reading Philosophy an Psychology Books and Novel
◇ Swimming