Sahar Khosravi

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RESEARCH INTERESTS

- ◇ Neural Engineering
- ◇ Computational and Cognitive Neuroscience
- ◇ Medical Imaging, and Signal and Image Processing
- ◇ Brain Computer Interface

EDUCATION

University of Tehran, Tehran, Iran   Sept. 2014 - Present
B.Sc. in Electrical Engineering (Bio-electric)
GPA: 16.83/20 (last two years: 17.68/20)

Farzanegan 3, Tehran, Iran   Sept. 2010 - Jun. 2014
Diploma in Mathematics and Physics Discipline
GPA: 19.80/20
Affiliated with the National Organization for the Development of Exceptional Talents (NODET)

HONORS AND AWARDS

- ◇ **Ranked 1st** in Bio-medical Engineering Class of 2014   2016 - Present
- ◇ **3rd Place** in Speed Race by Persian Gazelle Team from University of Tehran
  in **2015 Bridgestone World Solar Challenge** Competition
- ◇ **Ranked 150th nationwide in Iranian National University Entrance**   2014
- ◇ Member of the **National Organization for Development of**   2007 - 2014
  Exceptional Talents (NODET)[1]
- ◇ Awarded of **Specific Research Achievement** in the *24th University of Tehran*   2015
  Research Festival for *Persian Gazelle Solar Car Team*
- ◇ **1st Team** in FAVA National Robotic Competition   2013
- ◇ **5th Team** in the 8th RoboCup IranOpen International Competitions   2013
- ◇ **6th Team** in the 7th RoboCup IranOpen International Competitions   2012

TEACHING EXPERIENCE

Teaching Assistant, *University of Tehran*

- ◇ Engineering Mathematics (Chief TA)   Fall 2017   ◇ Engineering Mathematics   Spring 2017
  Instructor: Dr. Mehdi Tale Masouleh   *Instructor:* Dr. Mehdi Tale Masouleh

- ◇ Electronics I   Spring 2018
  Instructor: Dr. Mohammadreza Kolahdouz

Robotic Instructor, *Farzanegan 3 High School*   2014 - 2016
Robotic Instructor, *Yas middle School*   2016 - 2017

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[1]See https://en.wikipedia.org/wiki/National_Organization_for_Development_of_Exceptional_Talents

Relevant Courses

◇ Human Visual System [Grad. Course]   20/20
Instructor: Dr. Reza Rajimehr

◇ Physiology I   19.25/20
Instructor: Dr. Behjat Seifi

◇ Bio-inspired Computing [Grad. Course]   18.6/20
Instructor: Dr. Masoud Asadpour

◇ Physiology II   17.25/20
Instructor: Dr. Behjat Seifi

◇ Digital Signal Processing   17.25/20
Instructor: Dr. Mohammad Ali Akhaee

◇ Principles of Rehabilitation and Equipment 18/20
Instructor: Dr. Fariba Bahrami

◇ Intelligent Systems   18.75/20
Instructor: Dr. Reshad Hosseini

◇ Fundamentals of Radiology and Radiotherapy 16.2/20
Instructor: Prof. Hamid Soltanian Zadeh

◇ Electrical Safety and Hospital Systems   17.35/20
Instructor: Dr. Amoon Jamzad

◇ Introduction to Medical Physics   16.13/20
Instructor: Prof. Gholam-Ali Hossein-Zadeh

◇ Electronics I   19/20
Instructor: Dr. Mohammadreza Kolahdouz

◇ Digital Logic Circuits   17.4/20
Instructor: Prof. Zainalabedin Navabi

Research and Working Experience

Lab Assistant, Human Motor Control & Computational Neuroscience Lab, University of Tehran 2016 - 2017
Dr. Sedighe Dehghani (Research Assistant and PhD Candidate)
     DESCRIPTION

Research Intern, Sarveen Tech. Company, University of Tehran Science & Technology Park   2017
Dr. Farshad Lahouti
     DESCRIPTION

Developer   2017 - Present
Sarveen Tech. Company
     DESCRIPTION

Skills

◇ **Programming Languages:** C/C++, Python, Matlab, Verilog

◇ **Operating Systems:** Windows, Linux

◇ **Document Preparation:** Microsoft Office, LaTeX

◇ **Toolboxes and Frameworks:**
  – Deep Learning: Pytorch, TensorFlow
  – Matlab Toolboxes: Psychtoolbox, EEGLAB, Matlab GUI Toolbox (GUIDE)

◇ **Related Softwares:** Altium Designer, Proteus, CodeVisionAVR, MikroC, Multisim, Modelsim, Quartus II

Languages

Farsi	Native
English	**TOEFL:** 103/120 (Reading: 23, Listening: 29, Speaking: 23, Writing: 28)
Arabic	Familiar

References

- ◇ **Prof1**
  Department
  University of Tehran
  Email

- ◇ **Prof2**
  Department
  University of Tehran
  Email

- ◇ **Prof3**
  Department
  University of Tehran
  Email

- ◇ **Prof4**
  Department
  University of Tehran
  Email

- ◇ **Prof5**
  Department
  University of Tehran
  Email

- ◇ **Prof6**
  Department
  University of Tehran
  Email