

Parima Ahmadipour Anari

PERSONAL INFORMATION

Department of Electrical Engineering - Department of Physics
Sharif University of Technology
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EDUCATION

Sharif University of Technology, Tehran, Iran. 2009 - present, B.S., double major in, Electrical Engineering (Communications), and Physics

- **Current GPA: 17.86/20**
- **Ongoing thesis title:** "Neural Spike Train Decoding" **Adviser:** Dr. Mohammad Bagher Shamsollahi

Farzanegan High School, Tehran, Iran, September 2005 - June 2009. Affiliated with the National Organization for the Development of Exceptional Talents (NODET). Diploma in Physics and Mathematics Discipline, **GPA: 19.42/20**

RESEARCH INTERESTS

- **Neural Engineering**
- **Systems Neuroscience**
- **Computational Neuroscience**
- **Biomedical Signal and Image Processing**

HONORS and AWARDS

- **First prize** in the mathematic division of the 10th National Khwarazmi Award for Young Researchers, Fall 2008
- Member of National Elite Foundation , 2007 to present.
- Recipient of the Grant for Undergraduate Studies from the National Elite Foundation , 2009 to present.
- Selected for study in schools of National Organization for Development of Exceptional Talents (NODET) through an exam.
- Ranked for the top 100 students in the National Physics Olympiad, Spring 2008

COMPUTER SKILLS

- Programming Language: C/C++, ASSEMBLY, VERILOG
- Engineering Software: MATLAB, SIMULINK, PROTEUS, QUARTUS, PSPICE
- Typesetting: Microsoft office, LATEX

TEACHING EXPERIENCES

- Teacher assistant for the course Discrete Signal Processing, Instructor: Dr.Mashhadi, Fall semester 2012
- Teacher assistant for the course Electromagnetics, Instructor: Dr.Rejaei, Fall semester 2011

ENGINEERING WORK EXPERIENCES

- Analysis of Neural Spike Train recorded from Inferior Temporal Cortex of a monkey for Object Categorization, October 2013 to present.
- Image and signal processing using MATLAB, 2012.
- Simulation of cellular network (M/M/m/k queue), considering hand off rate and drop and block probabilities, 2012.
- Designing a circuit to produce TV waves to lighten some pixels of TV screen, providing the Assembly and C++ codes and implementation, 2011.
- Simulation of microprocessor for 8051 microprocessor in Proteus, 2011.
- Designing a remote control car using AVR microcontrollers, summer 2010.

LANGUAGES

- Persian: Native
- English: Fluent

TOEFL IBT:

Overall: 101/120, Reading(24/30), Listening(27/30), Speaking (24/30), Writing (26/30)

GRE:

Analytical Writing(3), Verbal Reasoning(146), Quantitative Reasoning(164)

ACTIVITIES

- Arabic: Familiar (Reading, Listening)
- member of **Resana**, scientific and cultural student union, Sharif University of Technology
Resana provides extracurricular opportunities for students, such as summer robotic classes, workshops, student tours, etc.
- Hobbies:
Sports: swimming, pilates, mountain climbing
Playing Santoor (Persian musical instrument)
Books, Movies, Music

last update: Nov. 2013