Anahita Khalilzadeh
Curriculum vitae

Tehran, Iran
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EDUCATION

2009 – 2015 **B. Sc. in Electrical Engineering, Electronics Major**
Sharif University of Technology
Thesis: *Design and Implementation of a Holter Circuit which synced Cellphone via wireless*
Supervisor: *Professor Ali Fotowat Ahmadi*

2005 – 2008 **Mathematics and Physics**
HIGH SCHOOL DIPLOMA
Farzanegan, Karaj

FIELDS OF INTEREST

- Bio-Signal and Image Processing
- Electronic circuits and designs
- Biomedical Applications
- Neuroengineering

RELATED COURSES

- Signals and Systems
- Digital Signal Processing, audited
- Electronic PRINC and LAB
- Biomedical Engineering

SOFTWARE SKILLS

GOOD LEVEL	C++, C, Pspice, Hspice, MATLAB, Qt
INTERMEDIATE	Altium Designer, Code Vision, Proteus, Quartus, LATEX
BASIC LEVEL	Verilog, Java, Simulink

AWARDS, GRANTS AND HONORS

2014 **Second Prize**
Best B.Sc. Thesis in Electrical Engineering, Sharif UT

2008 **Member and Scholarship**
National Elite Foundation of Iran

2007 **Silver Medal**
International Astronomy Olympiad (IAO)

2007 **Gold Medal**
National Astronomy Olympiad

RESEARCH EXPERIENCES

2015 **Single trials of LFP response activity**
IPM (Institute for Research in Fundamental Sciences), Supervisor: Dr.Lashgari

COMMUNICATION SKILLS

PERSIAN	Native speaker
ENGLISH	Oral: fair Written: good
SPANISH	Beginner
AZARI	Native

TEACHING EXPERIENCES

SPRING 2013 **Logic Circuits**
Course TA and Grader

SPRING 2013 **Electronic Principles**
Course TA and Grader

2008-2015 **Astronomy Olympiad**
for students preparing for International Olympiad on Astronomy and Astrophysics (IOAA)

2014-2015 **Mathematics**
in schools for students preparing for International Olympiad

2014-2015 **Mathematics**
Online course for Olympiad (Astronomy, Physics, Chemistry) on Madrese.org

PROFESSIONAL ACTIVITIES

2015 **Member Weekly Journal Club of Neuroscience**
IPM (Institute for Research in Fundamental Sciences)

2015 **Internship**
Parsetic Institute, Tehran

2014-2015 **Head of Astronomy Teachers Group in madrese.org**

2011-2012 **Member Student Union**
Dept. of Electrical Engineering at Sharif University of Technology

ACADEMIC PROJECTS

SUMMER 2015

Qt Creator software, C++

Design and implementation of a Qt tiled based map which assigns user's interest point on a map

Under the Supervision of Parsetic Institute.

SPRING 2013

Verilog, Matlab

Design and implementation of an OFDM packets synchronizer on FPGA and ASIC platforms

Under the Supervision of Dr. M. Shabany, Sharif UT.

SPRING 2013

HSpice Software

Design and implementation BJT and CMOS operational amplifires

Under the Supervision of Dr. M. SharifBakhtiyar, Sharif UT.

SPRING 2015

Proteus Software

Design and implementation of a PLL and a Signal generator circuit

Under the Supervision of Dr. A. Bagheri, Sharif UT.

FALL 2013

HSpice Software

Design and implementation of a light detecting sensor

Under the Supervision of Dr. M. Fardmanesh, Sharif UT.

SPRING 2011

Code Vision Software

Design and implementation of a Power light controller with AVR

Under the Supervision of Dr. S. Sadughi, Sharif UT.

SUMMER 2009

Code Vision Software

Design and development of a wireless model toy-car using AVR microcontroller in a student workgroup

Sharif UT.

REFERENCES

Professor Nobakhti, Amin
Assistant Professor
Dept. Electrical Engineering Sharif University of Technology.
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