

NAVID NAJAR

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EDUCATION

SINCE SEP 2014

B. SC. IN ELECTRICAL ENGINEERING (ELECTRONICS)

ISFAHAN UNIVERSITY OF TECHNOLOGY

GPA : 17.03 from 120 units

SEP 2010 TO JUN 2014

DIPLOMA IN MATHEMATICS

SHAHID BEHESHTI HIGHSCHOOL, GORGAN, IRAN

National Organization for Development of Exceptional Talents (NODET)

WORK EXPERIENCE

SINCE JUL 2018

RESEARCHER, BRAIN ENGINEERING RESEARCH CENTER AT IPM

braineng.ipm.ac.ir

Designing electronic devices used in monkey experiments. Exploring the challenges of implementing intrinsic signal optical imaging setup.

SEP 2017 TO DEC 2017

ELECTRONIC ENGINEER, BEHYAR SANAT SEPAHAN

Part time job, 20h a week.

Circuit Design, Circuit Verification, ...

LANGUAGES

Persian: Native

English: Fluent

French: Basic

INTERESTS

- Medical Bionics
- Bionic Eye Design
- Bioelectronics
- Bionic Ear Design
- Neuroscience
- Neuro Engineering

SKILLS

- **Circuit Design Software Tools:** Altium (Advanced), Orcad (Advanced), Cadence IC design (Intermediate), Proteus (Basic)
- **Mounting and Designing Surface Mounting Devices Packages**
- **Programming:** C (Basic), Verilog (Basic), Ardiono (Basic), LabView (Basic), MATLAB (Basic)

ONLINE COURSES

- **Fundamentals of Digital Image and Video Processing** Coursera's online course provided by Northwestern University (In progress)
- **Light, Spike, & Sight: The Neuroscience of Vision** EDX's online course provided by MITx (In progress)

NOTABLE PROJECTS

- **Operational Amplifier Design Using CADENCE.IC.CAD** Circuit design, implementation, analysis (frequency, time, noise, Monte Carlo, corners) of Op-Amp.
- **Touch Bar** Design and implementation of a low noise sensor for detecting the touch of monkey at brain lab.
- **Intrinsic Signal Optical Imaging** setup a system for optical imaging from human brain in vivo (in progress)

ACTIVITIES

- Active IEEE member, Isfahan University of Technology Student Branch in 2015

TEACHING EXPERIENCE

- **Teaching Assistant** : Digital System Design, Dr. Tabataba, FALL 2016

HOBBIES

Playing Chess (FIDE Rating : 1834) – Boxing – Playing Volleyball – Playing Boardgames

REFERENCES

Available on request.