REYHANEH BOROUGHANI

reihaneh.boroughani@gmail.com
reyhaneh-boroughani.github.io
Via Giovanni Berchet, 40
/reyhaneh-boroughani/
San Giuliano Terme, PI, Italy
/Reyhaneh-Boroughani/

EXPERIENCE

Data Analyst
Internship at Institute of BioRobotics at Scuola Superiore Sant'Anna

March 2020 – July 2020 Pisa, IT

- Time series pre-processing: alignment, outlier detection, cleaning.
- Time series analysis and classification: time-frequency analysis, feature extraction, classification.

Medical Representative
Varian Pharmed Company (golrang industrial group)

Jan 2017 – July 2018 Tehran, IR

- Promote the company products to doctors, hospitals, and pharmacies
- Travel across several cities of Iran to manage the supply and demand.

Research and Development (R&D)
Varian Pharmed Company (golrang industrial group

Mar 2017 – July 2018 Tehran, IR

- Data analysis to illustrate the market share and sales of the company

EDUCATION

M.S. in Bionics Engineering (Major: Neural Eng.)
University of Pisa and Scuola Superiore Saant'Anna

Sept 2018 – present Pisa, IT

B.S. in Biomedical Engineering (Major: Bioelectric Eng.)
Amirkabir University of Technology

Sept 2011 – Feb 2016 Tehran, IR

PROJECTS

Raw Primary Motor Cortex Extracellular Signals Data Analysis and Classification.
Internship In Institute of BioRobotics at Scuola Superiore Sant'Anna

2020 – 2020 Pisa, IT

Source code, MATLAB

Motor Neuron Pool Design and Implementation for Facilitating the Prosthesis Control
Neural Interfaces and Bioelectronics Course Project at Scuola Superiore Sant'Anna

2020 – 2020 Pisa, IT

Source code, MATLAB

Implementation of Hebbian Learning, Hopfield Networks, Liquid State Machines.
Computational Neural Networks Course Project at University of Pisa

2019 – 2019 Pisa, IT

MATLAB

Visual Discrimination of Geometric Shapes, Encoding and Decoding Using two-layer Izhikevich Neuron model
Neuromorphic Course Project at University of Pisa

2018 – 2018 Pisa, IT

Source code, LabVIEW

The Effect of Thickness of Scalp and Skull on Bioimpedance Measurements Using PCA Method
BSc Thesis at AmirKabir University of Technology

2015 – 2016 Tehran, IR

MATLAB

SKILLS AND TOOLS

Machine Learning | Deep Learning | Data Analysis | Data Mining | Design and Modelling

MATLAB | Python | C++

LabViEW | Ansys | Simulink | Weka | Cura | Autodesk Fusion 360

Microsoft Office | LaTeX

LANGUAGES

English
Persian
Italian