Arash Heidari

Machine Learning and Electronics Engineer

About Me

I am a self-motivated and competent machine learning and electronics engineer. I have strong technical skills as well as excellent interpersonal skills, which enables me to interact easily with my colleagues and clients. I am eager to be challenged to grow and further improve my skills. My greatest passion in life is using my technical know-how to benefit other people and organizations.

Education

Iran University of Science and Technology

Tehran, Iran

**Master's Degree
Digital Electronics Systems**

Sep 2016 – July 2018

GPA: 18.27 out of 20

Thesis: DPA Resistance Cryptography for IoT Purposes.

Iran University of Science and Technology

Tehran, Iran

**Bachelor's Degree
Electronics**

Sep 2012 – Sep 2016

GPA: 16.19 out of 20

Thesis: Controlling a Monitoring System with the help of Internet.

Personal Information

Tehran, Iran

7/April/1994

Single

heidariarash.github.io

(+98) 912 0620574

arashheidari94@outlook.com

arashheidari

arashheidari94

Please refer to my website for more information:

heidariarash.github.io

Skills

Machine Learning

Computer Vision
Reinforcement Learning
Natural Language Processing
PyTorch / TensorFlow
SKlearn / Spark MLlib
OpenCV
spaCy

Electronics

ARM / FreeRTOS
AVR / PIC / Arduino
Altium Designer
Raspberry Pi
Internet of Things
FPGA

Programming

Python / R / MATLAB / JavaScript
C / C++ / Cuda C
SQL / MongoDB
Assembly
Flask
GUI Development

Other Technical Skills

Git / Docker
Agile Software Development
Linux
Amazon Web Services

Languages

Persian (Native)
English (Pro)
German (Pro)

Work Experience

Iran University of Science and Technology

Tehran, Iran

Researcher

Jan 2019 – Present

My main responsibility was to support Master's and PhD students to overcome the problems they encounter in their way to graduation with my knowledge and ideas. Teaching machine learning, deep learning, and python programming was my other responsibility.

KookMobile Website

Tehran, Iran

Translator

May 2019 – July 2019

I translated more than 50 articles about smartphones and other new digital types of equipment such as smartwatches from English to Persian for the Kook Mobile website.

Iran University of Science and Technology

Tehran, Iran

Teaching Assistant

Sep 2015 – Feb 2016

My main responsibility was to help students in the computer architecture course to pass the final test. In the end, I developed a simple computer (presented in Morris Mano book) with Verilog HDL.
I must admit that the teaching assistant is not a job, but it was definitely an excellent experience.

Hobbies

I have many hobbies such as watching movies and series, reading books, etc., but learning new skills and gain knowledge about things I love to know about is the most valuable hobby I have. I love to read books about physics, genetics, and history. Playing sports such as Football (or as Americans say soccer) is another hobby I enjoy.