



Arash Heidari

Electronics and Machine Learning Engineer

About Me

I am a self-motivated and competent electronics and machine learning 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.

Personal Information



Tehran, Iran



7/April/1994



Single



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Education

**Iran University of
Science and
Technology**

Tehran, Iran

**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.

**Bachelor's Degree
Electronics**

Sep 2012 – Sep 2016

GPA: 16.19 out of 20

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

*Please refer to my website for more
information:
heidariarash.github.io*

Skills

Electronics

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

Machine Learning

SKlearn / Spark MLlib
TensorFlow / PyTorch
Optimization
OpenCV
Tableau

Programming

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

Other Technical Skills

Networking
Git
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

I worked as the head-researcher in Circuit Design Lab in Electronics Research Center (ERC).

My main responsibility was to help master's and PhD's students in their projects, theses, and seminars. So, I teach them python programming, machine learning, and support them with my knowledge and ideas.

Maintaining computers and equipment in the lab 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.

This job was remote, and I accept to work as a translator in order to sharpen my English skills.

Unfortunately, my employer sold the website to another company, so I only worked there for 3 months.

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.