

# Mehdi Houghoughi

Electrical Engineer

Embedded systems designer and developer/ Pcb designer

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## WORK EXPERIENCE

### Tech Start-up co-founder

Hardtech accelerometer

06/2020 - Present

Tehran

*Achievements/Tasks*

- A smart system for automatic electric vehicles

### IoT R&D researcher

EITD. Tehran, Tehran

02/2019 - 04/2020

*Achievements/Tasks*

- Some good solutions for Smarter cities and houses

## PERSONAL PROJECTS

Electronic nose (2021 - Present)

Smart agriculture (2019 - 2020)

A smart system for automatic electric vehicles (scooters ...) renting. (2021 - Present)

Working on some Algo trading bots for Crypto (2021 - Present)

## EDUCATION

### Bachelor of science

Shahed university, Tehran, Tehran

2016 - 2021

Tehran, Iran

*Courses*

- Electrical engineering

## SKILLS

Python

PCB cad (Altium ,Easy EDA,proteus)

Verilog, ISE, ISIM

WEB (HTML, css, JS, express)

Arduino, nodemcu, AVR, STM32 (c,c++)

Linux

Matlab

Electromagnetics devices (maxwell)

## LANGUAGES

English

Full Professional Proficiency

Persian

Native or Bilingual Proficiency

Spanish

Elementary Proficiency

## INTERESTS

Experience in technical electronic jobs (battery systems,BMSs, variety of modules, BLDCs)

Got some passion for Drones, Clean energy and Electric vehicles.

Python expert .{Algotrading, finance, control engineering , DSP,encryption,Computer vision ...}

Deep understanding of base electronics concepts (Mosfets, Op-amps, amplifiers, and physics).

Three years of research on blockchain technologies and experience of BC development (python and also solidity)

Some js ,expressjs, HTML, css.

Have developed some simple web ideas

Designed some basic schemas (simple motor and wireless charger with Ansys maxwell)

RF System designs and Cmos maybe in future.

And of course eager to learn more...