

Mohammad Mahmoodian

Curriculum vitae

WORK EXPERIENCE

MARCH 2019 – PRESENT

Datis, Tehran, Iran

Hardware Development

Hardware programming on STM32 Discovery boards and development of elevator drives at Datis Elevator.

FEBRUARY 2017 – PRESENT

MCS Lab in University of Tehran

Software Development and Research Assistance

Working on linux-based operating systems (e.g., OpenWrt) and installing them on Wi-Fi routers. Development of IP networking and DNS applications.

JANUARY 2018 – JANUARY 2019

Farineh Fanavar, Tehran, Iran

Software Development

Implementing IoT protocols (e.g., Zigbee) and working on smart grids using new interesting technology, blockchain and smart contracts. Working with tools such as truffle and geth for test and simulate smart grids at Farineh Fanavar.

📍 Tehran, Iran
☎ +98 (938) 3172746
✉ mahmoodian@ut.ac.ir
🌐 www.linkedin.com/in/mohammad-mahmoodian-397a508a

EDUCATION

- 2017 – PRESENT **Electrical Engineering - Network Communications**
MASTER OF SCIENCE
University of Tehran
GPA: 18.8
Rank: 1
- 2013 – 2017 **Electrical Engineering - Communications**
BACHELOR OF SCIENCE
University of Tehran.
GPA: 18.4
Rank: 8

PROJECTS

- 2019 **STM32 Discovery Kit**
Embedded devices programmer. MCU programming in Keil.
- 2018 **Smart Contracts**
Writing smart contracts using solidity and hyperledger sawtooth. using web3 Restful api in Python and JavaScript to connect to blockchain. Backend programming in solidity and frontend programming in JavaScript and Python.
- 2018 **Zigbee**
Implementing Zigbee protocol on XBee modules using keil. C and C++ programming.
- 2017 **OpenWrt**
Installation of OpenWrt on routers.

SOFTWARE AND HARDWARE SKILLS

- GOOD LEVEL Python, Solidity, C, C++, HTML, git, Cryptocurrency JavaScript, Linux, Restful APIs, IP Networking, Matlab
- INTERMEDIATE Hyperledger, \LaTeX , LabVIEW, Keil, ModelSim, Quartus, Wireshark, shell, AVR, Verilog
- BASIC LEVEL Windows, Microsoft Word, PSpice, HSpice