

MASOUD HEIDARY

↪ Birth: 01/30/2000 ↩
↪ MasoudHeidaryMH@gmail.com ↩
↪ Personality: INTJ ↩

EDUCATION

↪ **B.Sc. Electrical Engineering** | Sep. 2018 - Sep. 2022

- Iran University of Science & Technology
- GPA: 3.8 (out of 4) | 18.11 (out of 20)

↪ **B.Sc. Project** | Public Electric Scooter

- Scooter Steering Wheel Circuit
 - WS2812 Driver
- Main Circuit
 - GPS Driver
 - MQTT Driver (Sim800L)
- Double Brushless Motor Driver

↪ **Some Favorite Courses**

- MicroControllers | 8th semester (19.1 out of 20)
 - Designing STM32 tutorial board by Altium Designer (PCB)
- Advanced Logic Circuits Course | 6th semester (18.5 out of 20)
 - Serial Communication by Verilog
 - PDLZW algorithm FPGA Santase by Verilog
 - An optimized lossless compression algorithm
- MicroProcessors | 5th semester (19.75 out of 20)
 - Outstanding 8086 Microprocessor Project

EXPERIENCE

↪ **June, 2021 - November, 2021**

IDmelon | Swift Developer (Mac)

- Secure passwordless authentication (Fido)
- Member of Microsoft Intelligent Security Association
- My enrolment
- Developing Mac Pairing Tool App
- Virtual Fido2 System Extension (Driver)

↪ **January, 2021 - June, 2021**

Freelancing | Django (Python), FPGA, Assembly, Logic Circuits

- Telegram Bot by Django
- University Projects for Other Students

↪ **February, 2020 - September, 2020**

Ro-Box | Electrical Engineer

- Developing Public Electric Scooters start-up.
- My Enrolment
- Developing WS2812 Library for STM32 Microcontroller
- Developing GPS Circuit & Library for STM32 Microcontroller
- Other Programming and Circuit Designing

ENGLISH (IELTS - AUG. 2022)

Listening
7.0



Reading
7.5



Speaking
7.0



Writing
6.0



Overall
7.0



GRE (SEP. 2022)

Quantitative Reasoning
169



Verbal Reasoning
145



SKILLS

ELECTRONIC

ARM (STM32)

Arduino

C/C++

Assembly (8086)

Verilog + VHDL

☒ Altium

☒ ModelSim

☒ STM32CubeIDE

☒ Orcad-Pspice

☒ ISE

COMPUTER

Python

Django

Swift

JavaScript

☒ Git

☒ LinuxEssential

☒ HTML&CSS

RELATED LINKS

- [GitHub](#)
- [Contact Terminal](#) | [LinkedIn](#) (not update) | [Personal WebPage](#) (not update)

REFERENCES

- Dr. Sattar Mirzakuchaki | supervisor
 - Professor at Iran University of Science and Technology
 - [google scholar](#) | [Email](#)
- Dr. Morteza Shafiekhani
 - Postdoc Research Associate at the Cardiff University
 - [google scholar](#) | [Email](#)
- Mr. Amirali Mohades
 - MicroController Lecturer at Iran University of Science and Technology
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