

MASOUD HEIDARY

- Embedded Systems Engineering •
 - ↪ Birth Day: 01/30/2000 ↩
 - ↪ MasoudHeidaryMH@gmail.com ↩
 - ↪ Last Update: Aug. 2022 ↩
 - ↪ Personality: INTJ ↩

EDUCATION

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

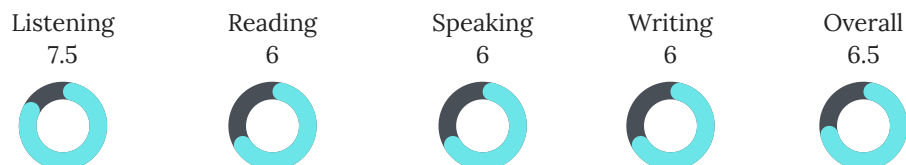
→ February, 2020 - September, 2020

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

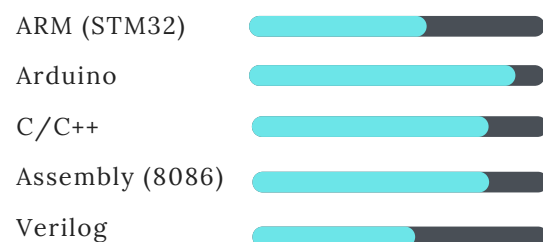
ENGLISH (IELTS - NOV. 2021)

(WILL UPDATE - OVERALL TARGET: 8.0)



SKILLS

ELECTRONIC



- ✓ Altium
- ✓ STM32CubeIDE
- ✓ ISE
- ✓ ModelSim
- ✓ Orcad-Pspice

COMPUTER



- ✓ Git
- ✓ HTML&CSS
- ✓ LinuxEssential

RELATED LINKS

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

REFERENCES

- Dr. Sattar Mirzakuchaki | supervisor
 - Professor at Iran University of Science & Tech
 - [google scholar](#) | [email](#)
- Dr. Morteza Shafiekhani
 - Postdoc Research Associate at the Cardiff University
 - [google scholar](#) | [email](#)