

MASOUD HEIDARY

- Embedded System Engineer •
-  [GitHub](#) •

EDUCATION

→ B.Sc. Electrical Engineering | Sep. 2018 - Sep. 2022

- Iran University of Science & Technology
- GPA: 3.8 (out of 4) | 18.09 (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
- All Available Projects in [GitHub](#)

→ Some Favorite Courses

- MicroControllers | 8th semester (Present)
 - [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

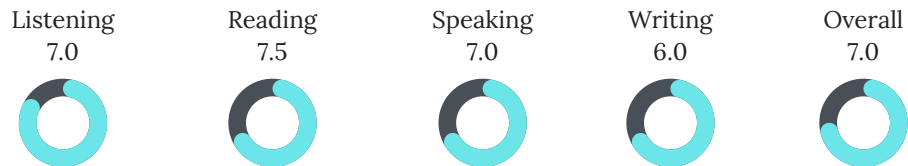
- [Telegram Bot](#) by Django
- University [Projects](#) for Other Students

→ February, 2020 - September, 2020

Ro-Box | Electrical Engineer

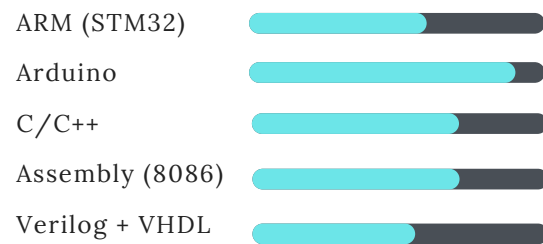
- Developing Public Electric Scooters start-up.
- My Enrolment
 - Developing WS2812 Library for STM32 Microcontroller
 - Developing GPS Circuit & Library for STM32 Microcontroller
 - Other Programming and Circuit Designing

ENGLISH-ACADEMIC IELTS (AUG. 2022)



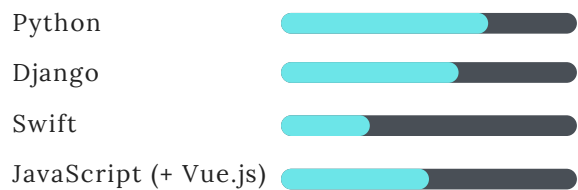
SKILLS

ELECTRONIC



- ✓ Altium
- ✓ STM32CubeMX
- ✓ ISE
- ✓ ModelSim
- ✓ Orcad-Pspice
- ✓ TrueStdio

COMPUTER



- ✓ Git
- ✓ HTML&CSS
- ✓ LinuxEssential

HOBBIES

Workout, Biking, Sci-Fi Movies

CONTACT

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Other Information on My Terminal & GitHub