MOHAMMAD
MASHREGHI

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CONTACT

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SKILLS

- Teamwork
- Time Management
- C/C++
- Python
  - Numpy, Pandas, Sklearn
- System Verilog, Verilog
- Linux (Basic)
- Office (Word, PowerPoint, Excel)
- MATLAB

LANGUAGE

Persian ●●●●●●●

English ●●●●●○○

HONORS AND AWARDS

- Ranked 1016th in the National Universities Entrance Examination among more than 155,000 contestants.

- Full Scholarship from the University of Tehran.

- Ranked 20th among 128 contestants in Electrical Engineering B.Sc. students, University of Tehran

EDUCATION

B.S. in Electrical Engineering

University of Tehran (2020 - 2024)

- Control engineering; Majored
- Avarage grade: 18.07/20

Derkhshande Sarraf High School

Diploma in mathematics and physics

- Avarage grade: 19.07/20

RESEARCH EXPERIENCE

Internship, Hamrah Aval
Instructors: Dr. Kebriaei June 2023 - September 2023
- Designing new voice packages according to the behaviour of Users packages consumption in recent years

PUBLICATTIONS

Risk Sensitivity MARL Review
It has not been published yet; workers are at work. :)

TEACHING ASSISTANT EXPERIENCE

- TA of Electrical Introduction - Spring 2022 - Dr.Samimi
- TA of Engineering Probability and Statistics-Spring 2023-Dr. A. Dehaqani
- TA of General workshop-Spring 2022&2023-Dr.Samimi-Laboratory TA
- TA of Linear Control Systems, Fall 2023 - Dr.Yaghmaei
- TA of Engineering Mathematics, Fall 2023 - Dr.Nasiri
- TA of Digital Systems 2,Fall 2023 - Dr.Safari

COURSE PROJECTS

- Detecting a specific IC on a PCB from its image
  instructors: Dr. Akhavan

- Designing a circuit to calculate hyperbolic cosine approximately using its Taylor series.
  instructors: Dr. Navabi

- Designing Booth Multiplier
  instructors: Dr. Safari

- Designing MIPS Processor in Verilog: single-cycle and multi-cycle
  instructors: Dr. Safari

- Designing Different types of amplifiers using PSPice
  instructors: Dr. Sanaie

- Simulation and work with machine learning algorithms using real datasets.
  instructors: Dr. Abolghasemi Dehghani, Dr. Tavassoli Pour
  Familiar with these concepts:
  - Bayesian Decision Theory - Regression - Density Estimation - KNN and Parzan Window - Dimensionality - CNN - Clustering - EM -GMM

- Audio Processing
  instructor: Dr. Akhavan
  - Making echo for audio using MATLAB
  - Analysis of the correlation between generated signals and the original signal

- Designing an online market with C++ with different facilities
  instructor: Dr. Khosravi

- Designing PacMan game in CMD or terminal
  instructor: Dr. Kazzazi

- Detecting Fake and Real nature pictures (Jungle, Sea, Mountain)
  instructors: Dr. Abolghasemi Dehghani, Dr. Tavassoli Pour

CERTIFICATE

- Using Python to Access Web Data, Coursera
  Issued on: Spring, 2022

- Advanced Learning Algorithms, Coursera
  Issued on: Fall, 2022

- Object-Oriented Data Structures in C++, , Coursera
  Issued on: Winter, 2022

- **Introduction to Git and GitHub,** Coursera
  Issued on: Spring, 2022