

Mohammadreza Mofayezi

Education

- 2019-now **Bachelor of Science in Computer Engineering**, *Sharif University of Technology*, Tehran, Iran.
- 2013-2019 **Mathematics**, *Shahid Sadoughi High School (National Organization for Development of Exceptional Talents)*, Yazd, Iran.

Experience

Research

- Oct 2021 - **Undergraduate Research Assistant**, *VITA: Visual Intelligence for Transportation*.
July 2022 EPFL (École polytechnique fédérale de Lausanne)

Educational

- Spring 2022 **Teaching Assistant**, *Artificial Intelligence*, Dept. of Computer Engineering, Sharif University of Technology.
Tehran, Iran
- Fall 2021 **Teaching Assistant**, *Probability and Statistics, Data Structures and Algorithms, Fundamentals of Programming (C, C++)*, Dept. of Computer Engineering, Sharif University of Technology.
Tehran, Iran
- Fall 2020 **Teaching Assistant**, *Fundamentals of Programming (C, C++)*, Dept. of Computer Engineering, Sharif University of Technology.
Tehran, Iran

Self Study

Convolutional Neural Networks for Visual Recognition, *A deep dive into the details of deep learning architectures*, [CS231n](#).

Fundamentals of Reinforcement Learning, *Studying Reinforcement Learning, Harnessing the full potential of artificial intelligence requires adaptive learning systems*. [Coursera certification](#).

TensorFlow, *Studying TensorFlow tools in deep learning, Working with basic image and text classification by training a neural network model*. .

Cinematics in Unity, *Studying Cine-Machine and Film Making in Unity*, [Soldier, A Short Film Made With Unity](#)..

Vocational

- 2020-now **AR Developer at MadLlama**, Working on Mobile Augmented Reality Games With ARCore, ARKit and Unity.

Dept. of Computer Engineering – Sharif University of Technology

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Technical

2020 **Gamein 2020, Technical Developer.**

Game development with Unity3D and C#

Top Projects

Social Network, A simple and fast method of representing social network graphs in Python. It implements a fast cache reply system using the heapq library. [GitHub Link](#).

CFKala, A Comprehensive App For Managing an Online Shop Developed With Java. [GitHub Link](#).

Cyko Messenger, A Fast Console Chat Application Developed With C. [GitHub Link](#).

CKJson, A Library For Json in C. [GitHub Link](#).

Interests

Computer Vision

Neural Networks

Augmented Reality

Honors and Awards

2019 **Winner**, 2nd on Spaghetti Code Contest.

2019 **Top 20 student in University Entrance Exam**, 1st rank among more than 50000 students. 15th among 250000 students..

Languages

Persian Native

English Professional working proficiency

German Elementary proficiency

Computer Skills

General Programming Skills, Python, C/C++, C#, Java, R.

Machine Learning Tools, PyTorch, TensorFlow, NumPy, Pandas, Matplotlib.

Game Engine, Unity for Game and Cinematic.

Data management & Databases, PostgreSQL, MySQL, MongoDB, Redis.

CAD Tools & HDLs, Verilog, Quartus, ModelSim.

Graphical Design Tools, CorelDraw, Adobe Photoshop, Adobe Illustrator.

Frameworks & Programming Knowledge, Spring Framework, Rest API, WebSocket.

Miscellaneous, Git (Version Control), LaTeX.

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