

Sina Mokhtarzadeh Azar

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Research Interests

- Video Prediction/Generation
- Learning from Continuous Data
- Controllable Video Generation
- Test-time adaptation of Diffusion/Flow models

Education

University of Bonn

PhD Student in the Computer Vision Group

- Supervisor: Professor Dr. Jürgen Gall
- Thesis : Controllable Video Generation and Prediction

Bonn, Germany

2023/07 - present

Amirkabir University of Technology

MSc in Artificial Intelligence

- GPA : 18.48/20 (Ranked 3rd)
- Thesis : Group Activity Recognition in Video

Tehran, Iran

2016/09 - 2019/02

Amirkabir University of Technology

BSc in Software Engineering

- GPA: 16.28/20
- Thesis : Design and implementation of a Face Recognition software

Tehran, Iran

2012/09 - 2016/09

Publications

CamC2V: Context-aware Controllable Video Generation

Luis Denninger, [Sina Mokhtarzadeh Azar](#), Jürgen Gall

International Conference on 3D Vision (3DV)

2026

EgoControl: Controllable Egocentric Video Generation via 3D Full-Body Poses

*[Enrico Pallotta](#), [*Sina Mokhtarzadeh Azar](#), Lars Doorenbos, Serdar Ozsoy, Umar Iqbal, Jürgen Gall

arXiv

2025

Sequence-Adaptive Video Prediction in Continuous Streams using Diffusion Noise Optimization

[Sina Mokhtarzadeh Azar](#), Emad Bahrami, Enrico Pallotta, Gianpiero Francesca, Radu Timofte, Jürgen Gall

arXiv

2025

SyncVP: Joint Diffusion for Synchronous Multi-Modal Video Prediction

Enrico Pallotta, [Sina Mokhtarzadeh Azar](#), Shuai Li, Olga Zatsarynna, Jürgen Gall

IEEE Conference on Computer Vision and Pattern Recognition (CVPR)

2025

Faster Convergence for Online Self-Supervised Learning

[Sina Mokhtarzadeh Azar](#), Radu Timofte

DAGM German Conference on Pattern Recognition (GCPR)

2023

Convolutional Relational Machine for Group Activity Recognition

[Sina Mokhtarzadeh Azar](#), Mina Ghadimi Atigh, Ahmad Nickabadi, Alexandre Alahi

IEEE Conference on Computer Vision and Pattern Recognition (CVPR)

2019

A Multi-Stream Convolutional Neural Network Framework for Group Activity Recognition

[Sina Mokhtarzadeh Azar](#), Mina Ghadimi Atigh, Ahmad Nickabadi

arXiv

2018

Zoom-RNN: A Novel Method for Person Recognition Using Recurrent Neural Networks

[Sina Mokhtarzadeh Azar](#), Sajjad Azami, Mina Ghadimi Atigh, Mohammad Javadi, Ahmad Nickabadi

arXiv

2018

Humanoid Robot Detection using Deep Learning: A Speed-Accuracy Tradeoff

M. Javadi, [S. M. Azar](#), S. Azami, S. S. Ghidary, S. Sadeghnejhad, J. Baltes

Robocup Symposium

2017

Work Experience

Research Assistant at Julius-Maximilians-Universität Würzburg

Würzburg, Germany

My responsibilities were as follows

July 2022 - July 2023

- Conducting research
- Teaching
- Supervising Seminar and Practicum students

Senior Data Scientist at Sotoon (Cloud and AI Service Provider)

Tehran, Iran

My responsibilities were as follows

May 2021 - June 2022

- Building activity recognition and video summarization models for football videos
- Developing video face verification models with liveness detection using activity recognition
- Technical interviews for data scientist position
- Organizing a periodic meeting for knowledge sharing on Computer Vision and Deep Learning

Data Scientist at Divar (Craigslist of Iran)

Tehran, Iran

My responsibilities were as follows

Aug 2018 - Apr 2021

- Data Science Team Leader: Leading junior data scientists
- Developing multi-modal content moderation models to automate the advertisement review process
- Developing an efficient model for main object segmentation using Teacher-Student training
- Building a multi-modal content based recommendation model using siamese networks
- Developing a robust model for used car price estimation
- Defining internship projects and supervising interns (About automated image tagging and efficient client side CNNs)
- Technical interviews for data scientist position
- Organizing a periodic meeting for knowledge sharing on Computer Vision and Deep Learning

Teaching Experience

Image Processing and Computational Photography

Julius-Maximilians-Universität Würzburg

Under supervision of Prof. Radu Timofte

Winter 2022

Machine Learning

Amirkabir University of Technology

Under supervision of Dr. Ehsan Nazerfard

Fall 2017

Statistical Machine Learning

Amirkabir University of Technology

Under supervision of Dr. Ahmad Nickabadi

Fall 2017

Data Mining

Amirkabir University of Technology

Under supervision of Dr. Ehsan Nazerfard

Winter 2017

Honours, Awards & Activities

- JUPITER supercomputer grant award for the HoMe project
- Conference reviewer: CVPR 2025, ICCV 2025, AAAI2026, CVPR2026
- TPAMI reviewer (2020)
- Member of the scientific committee for the second Amirkabir Data Mining Cup (2018-2019)
- Ranked 3rd among class 2016 of MSc students in Artificial Intelligence (2016-2018)
- Head of the scientific committee for the first Amirkabir Data Mining Cup (2017)
- Ranked 54 in the National University Entrance Exam for Master in Artificial Intelligence and Admission to Amirkabir University of Technology (2016)
- Ranked in the top 0.5% in the National University Entrance Exam among 230000 students and Admission to Amirkabir University of Technology (2012)
- Member of the National Organization for Development of Exceptional Talents (NODET) (2005-2012)

Technical Skills

Programming Languages: Python (current focus), Java, R, Matlab, C/C++, SQL (Postgres)

Tools and Frameworks: Pytorch, Tensorflow, Keras, Caffe, OpenCV, PySpark, Flask, LaTeX

Developer Tools: Slurm, Git, Docker, DVC, PyCharm, Kubernetes, Rstudio, Netbeans