

MSc Student · Control Engineering

Schoo	l of Electrica	l and Coi	mputer l	Engineering,	University	College of	f Engineerin	g, University (of Tehran,	North Karga	ar st.
					Tehi	an, Iran.					

■ abbasnosrat@gmail.com ★ https://abbasnosrat.github.io/resume/ ② abbasnosrat 面 abbas-nosrat-72b261234	
Education	
University of Tehran MSc CONTROL ENGINEERING Advisors: Dr. Ahmad Kalhor, Dr. Babak N Araabi Thesis: Meta System Identification mam Khomeini International University Tehran 2020 - pr	esent
SS ELECTRICAL ENGINEERING Advisor: Dr. Hasan Zarabadipour	
Research Interests	
Multi-Task Learning	
Self-Supervised Learning	
Meta-Learning	
Multi-Modal Learning	
Professional Experience	
2023- Present 2021- 2021	
Present 2021- Present Present Computer Engineering Department, University of Tehran Present Present Present Present	
Publications PUBLISHED FNet: Few-Shot Identification of LTI Systems Based on Convolutional Neural Networks	
Honors and Awards	
Feaching Experience	

Spring	Trustworthy AI, Teaching Assistant	
2022	Trustworthy AI, Teaching Assistant	
Fall 2022	Machine Learning, Teaching Assistant	
Fall 2022	Analisys and Design of Neural Networks, Teaching Assistant	
Fall 2022	Linear Control Systems Lab, Teaching Assistant	
Spring	System Identification, Teaching Assistant	
2022		

Projects _____

Completed

TFNFT

This is my main master's project in which I developed a method for parametric and structural identification of industrial systems from a non-persistent excitation and a handful of I/O data.

Ongoing

TFNET 2

This project is an improvement on TFNet. In this project, I am utilizing multi-task learning methods to combine the classifier and the parameter estimator to improve TFNet's accuracy and scalability.

COURSEWORK PROJECTS

- Implementation of UNet
- Implementation of CycleGan and VQVAE
- Implementation of rotation prediction method
- Adversarial attacks and explainability
- Few-shot classification and person reidentification using contrastive learning
- Implementation of UNet

Technical Background _____

PROGRAMMING LANGUAGES

Python, Matlab, Bash, Julia, R,

MACHINE LEARNING FRAMEWORKS

Scikit-learn, Pytorch, Tensorflow, Flux.jl,

DEVELOPMENT TOOLS

Git,

Personal Interests _____

- Guitar playing, singing and making music.
- Playing video games.
- Watching Movies and anime.
- Reading comics and manga.
- Reading about AI, computer hardware, and Linux topics.