

Mohammad Saeed EBRAHIMI SAADABADI

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Fourth-year Ph.D. student; interested in machine learning, deep learning, applied statistics, and their applications in computer vision. For more information, please refer to www.msed-ebrahimi.com

EDUCATION

PRESENT AUG. 2021	West Virginia University , Ph.D. in ELECTRICAL ENGINEERING Focused on representation learning, and metric learning.	<i>Morgantown, USA</i>
SEP. 2020 SEP. 2017	K. N. Toosi University of Technology , M.Sc. in BIOMEDICAL ENGINEERING	<i>Tehran, Iran</i>
SEP. 2017 SEP. 2012	K. N. Toosi University of Technology , B.Sc. in ELECTRICAL ENGINEERING	<i>Tehran, Iran</i>

RESEARCH INTERESTS

- Autoregressive vision
- Data Augmentation
- Un/semi/weakly-supervised Learning
- Adversarial Learning
- Dataset Distillation

SELECTED PAPERS

* For a complete list of publications please refer to [google scholar](https://scholar.google.com/citations?user=me00018).

- [1] Decomposed Distribution Matching in Dataset Condensation,
Malakshan, **Saadabadi**, Dabouei, Nasrabadi
2025 IEEE/CVF Winter Conference on Applications of Computer Vision (WACV), 2025.
- [2] [ARoFace: Alignment Robustness to Improve Low-Quality Face Recognition](#)
Saadabadi, Malakshan, Dabouei, Nasrabadi
European Conference on Computer Vision (ECCV), 2024.
- [3] [Hyperspherical Classification with Dynamic Label-to-Prototype Assignment](#)
Saadabadi, Dabouei, Malakshan, Nasrabadi
2024 IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2024.
- [4] [A quality aware sample-to-sample comparison for face recognition](#)
Saadabadi, Malakshan, Zafari, Mostofa, Nasrabadi
2023 IEEE/CVF Winter Conference on Applications of Computer Vision (WACV), 2023.
- [5] [Joint super-resolution and head pose estimation for extreme low-resolution faces](#)
Malakshan, **Saadabadi**, Mostofa, Soleymani, Nasrabadi
IEEE Access, 2023.
- [6] [Maximum Relevance Minimum Redundancy Dropout with Informative Kernel Determinantal Point Process](#)
Saffari, Khodayar, **Saadabadi**, Sequeira, Cardoso
Sensors, 2021.

SKILLS

- Advanced proficiency in Python; basic knowledge in C++ and Matlab.
- Expertise in deep learning frameworks including PyTorch and PyTorch Lightning; experienced with TensorFlow and Keras.
- Skilled in utilizing Python libraries such as NumPy, Pandas, Pillow, Matplotlib, and Scikit-learn for data analysis and model development.
- Comprehensive experience with Convolutional Neural Networks (CNNs), Vision Transformers (ViT), autoregressive image generation, diffusion models, and Distributed Data Parallel (DDP) training.

COURSES

- Application of Neural Networks, Deep Learning, Pattern Recognition, Stochastic Systems Theory, Computer Vision, Soft Computing, Digital Signal Processing, and Linear Algebra.

PROFESSIONAL ACTIVITIES

- Reviewer of CVPR, ICLR, AAAI, and WACV.

REFERENCES

Nasser M. Nasrabadi

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Ali Dabouei

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neptunetech.io
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