Mingsong Li

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Education

Shandong University *Jinan, China*
M.S. Degree in Artificial Intelligence *Sep. 2021 - Jun. 2024 (expected)*
Supervisor: *Prof. Gongping Yang*
GPA: *87.00/100*

Shandong University *Jinan, China*
B.Eng. Degree in Software Engineering *Sep. 2017 - Jun. 2021*
GPA: *87.47/100, 61/340, top 18%; 4.44/5, 37/340, top 11%*

Research Interests

I am broadly interested in Computer Vision and Machine Learning. My current interest lies in the intersection of Remote Sensing Image Processing and Analysis, Computer Vision, and Machine Learning, with a focus on hyperspectral and multispectral images, especially *Hyperspectral Image Classification* and *Pan-sharpening*.

Selected Publications

[1] **Local-Global Transformer Enhanced Unfolding Network for Pan-sharpening**,
<u>Mingsong Li</u>, Yikun Liu, Tao Xiao, Yuwen Huang, and Gongping Yang,
International Joint Conference on Artificial Intelligence (**IJCAI**), 2023.

[2] **Adaptive Mask Sampling and Manifold to Euclidean Subspace Learning with Distance Covariance Representation for Hyperspectral Image Classification**,
<u>Mingsong Li</u>, Wei Li, Yikun Liu, Yuwen Huang, and Gongping Yang,
IEEE Transactions on Geoscience and Remote Sensing (**TGRS**), 2023.

[3] **Exploring the Relationship Between Center and Neighborhoods: Central Vector Oriented Self-Similarity Network for Hyperspectral Image Classification**,
<u>Mingsong Li</u>, Yikun Liu, Guangluo Xue, Yuwen Huang, and Gongping Yang,
IEEE Transactions on Circuits and Systems for Video Technology (**TCSVT**), 2022.

[4] **Enhancing Multiscale Representations with Transformer for Remote Sensing Image Semantic Segmentation**,
Tao Xiao, Yikun Liu, Yuwen Huang, <u>Mingsong Li</u>, and Gongping Yang,
IEEE Transactions on Geoscience and Remote Sensing (**TGRS**), 2023.

[5] **A^{3}Seg: An Annealing Augmented and Aligned Semantic Segmentation Network for High Spatial Resolution Remote Sensing Images**,
Guangkuo Xue, Yikun Liu, Yuwen Huang, <u>Mingsong Li</u>, and Gongping Yang,
IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (**JSTAR**), 2022.

Selected Awards and Honors

Sep. 2017 - Jun. 2021	**Honorary Title**: Outstanding Graduates of Shandong University	*Jinan, China*
Jun. 2021	**Honorary Title**: Outstanding Undergraduate Thesis of Shandong University	*Jinan, China*
Sep. 2019 - Jul. 2020	**Scholarship**: First-class Scholarship for Outstanding Students in Shandong University	*Jinan, China*
Sep. 2018 - Jul. 2019	**Scholarship**: Second-class Scholarship for Outstanding Students in Shandong University	*Jinan, China*

Skills

Programming Languages	Python, Matlab, C++, and Java
Deep Learning Frameworks	PyTorch, Keras, and TensorFlow
Document Typesetting	LaTeX, MarkDown, and HTML
Languages	Chinese (native) and English