

# Mingsong Li

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## Education

### Shandong University

M.S. Degree in Artificial Intelligence

Supervisor: Prof. Gongping Yang

GPA: 87.00/100

Jinan, China

Sep. 2021 - Jun. 2024 (expected)

### Shandong University

B.Eng. Degree in Software Engineering

GPA: 87.47/100, 61/340, top 18%; 4.44/5, 37/340, top 11%

Jinan, China

Sep. 2017 - Jun. 2021

## 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

- Local-Global Transformer Enhanced Unfolding Network for Pan-sharpening**, Mingsong Li, Yikun Liu, Tao Xiao, Yuwen Huang, and Gongping Yang, *International Joint Conference on Artificial Intelligence (IJCAI)*, 2023, (15% acceptance).
- Adaptive Mask Sampling and Manifold to Euclidean Subspace Learning with Distance Covariance Representation for Hyperspectral Image Classification**, Mingsong Li, Wei Li, Yikun Liu, Yuwen Huang, and Gongping Yang, *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, 2023.
- Exploring the Relationship Between Center and Neighborhoods: Central Vector Oriented Self-Similarity Network for Hyperspectral Image Classification**, Mingsong Li, Yikun Liu, Guangluo Xue, Yuwen Huang, and Gongping Yang, *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, 2022.
- Enhancing Multiscale Representations with Transformer for Remote Sensing Image Semantic Segmentation**, Tao Xiao, Yikun Liu, Yuwen Huang, Mingsong Li, and Gongping Yang, *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, 2023.
- A<sup>3</sup>Seg: An Annealing Augmented and Aligned Semantic Segmentation Network for High Spatial Resolution Remote Sensing Images**, Guangkuo Xue, Yikun Liu, Yuwen Huang, Mingsong Li, 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	<b>Honorary Title:</b> Outstanding Graduates of Shandong University	Jinan, China
Jun. 2021	<b>Honorary Title:</b> Outstanding Undergraduate Thesis of Shandong University	Jinan, China
Sep. 2019 - Jul. 2020	<b>Scholarship:</b> First-class Scholarship for Outstanding Students in Shandong University	Jinan, China
Sep. 2018 - Jul. 2019	<b>Scholarship:</b> Second-class Scholarship for Outstanding Students in Shandong University	Jinan, China

## Professional Services

### Peer Reviewer

- IEEE Transactions on Geoscience and Remote Sensing (TGRS), 2023 - present

## Skills

<b>Programming Languages</b>	Python, Matlab, C++, and Java
<b>Deep Learning Frameworks</b>	PyTorch, Keras, and TensorFlow
<b>Document Typesetting</b>	LaTeX, Markdown, and HTML
<b>Languages</b>	Chinese (native) and English
<b>Language Test</b>	IELTS @ Jinan on July. 2023: <b>Overall 6.5</b> , Reading 7.5, Listening 6.0, Writing 6.0, and Speaking 5.5