

# YUHAO WANG

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## 🎓 EDUCATION

- **Dalian University of Technology · School of Future Technology** Bachelor of Engineering  
Artificial Intelligence · Undergraduate Grades: **1/94 (TOP 1%)** 2020.09 – 2024.06
- **Dalian University of Technology · School Computer Science and Technology** Master of Engineering  
Artificial Intelligence · Research Direction: **Multi-modal Object ReID** 2024.09 – Current

## 🏆 COMPETITIONS AND HONORS

- **Outstanding Academic Paper, Chinese Society of Optical Engineering** Sep. 2024
- Outstanding Academic Paper, Liaoning Annual Conference Sep. 2024
- Outstanding Graduate of Liaoning Province Jun. 2024
- Outstanding Undergraduate Thesis of Dalian University of Technology Jun. 2024
- **6th Place, CVPR 2023 Workshop Smart City Challenge** Apr. 2023
- First Prize, National College Student Mathematical Modeling Competition (Team Leader) Feb. 2022

## 🏢 PROFESSIONAL EXPERIENCE

- National Centre for Computer Animation (NCCA), Bournemouth, UK** Oct. 2023
- *Recommended for Academic Presentations: Rethinking Object ReID*
  - *A brief introduction to the fundamental concepts of object ReID, overview of the work done in the past year, and prospects for the future.*

## 🎓 SCHOLARSHIPS

- **National Scholarship for Outstanding Recommended Graduate Students** Sep. 2024
- **National Encouragement Scholarship** Dec. 2023, 2022
- **National Scholarship** Dec. 2021
- Outstanding Academic Performance Scholarship Dec. 2023, 2022, 2021
- Science and Technology Innovation Scholarship Dec. 2022

## 🔬 RESEARCH

### Published Papers

- **DeMo: Decoupled Feature-Based Mixture of Experts for Multi-Modal Object ReID** AAAI-2025  
Yuhao Wang, Yang Liu, Aihua Zheng, Pingping Zhang\* 📄 Paper 🔄 Code
- **MambaPro: Multi-Modal Object ReID with Synergistic Prompt and Mamba Aggregation** AAAI-2025  
Yuhao Wang, Xuehu Liu, Tianyu Yan, Yang Liu, Pingping Zhang\*, Huchuan Lu. 📄 Paper 🔄 Code
- **CLIMB-ReID: A Hybrid CLIP-Mamba Framework for Person ReID** AAAI-2025  
Chenyang Yu, Xuehu Liu, Jiawen Zhu, Yuhao Wang, Pingping Zhang, Huchuan Lu. 📄 Paper 🔄 Code
- **Sigma: Siamese Mamba Network for Multi-Modal Semantic Segmentation** WACV-2025  
Zifu Wan, Pingping Zhang, Yuhao Wang, Silong Yong, et al. 📄 Paper 🔄 Code
- **Unity is Strength: Unifying Convolutional and Transformer Features for Person ReID** TITS-2024  
Yuhao Wang, Xuehu Liu, Pingping Zhang\*, Zhengzheng Tu, Huchuan Lu. 📄 Paper 🔄 Code
- **Magic Tokens: Select Diverse Tokens for Multi-modal Object ReID** CVPR-2024  
Pingping Zhang\*, Yuhao Wang, Yang Liu, Zhengzheng Tu, Huchuan Lu. 📄 Paper 🔄 Code
- **TOP-ReID: Multi-spectral Object ReID with Token Permutation** AAAI-2024  
Yuhao Wang, Xuehu Liu, Pingping Zhang\*, Hu Lu, Zhengzheng Tu, Huchuan Lu. 📄 Paper 🔄 Code

*Under Review*

- **IDEA: Inverted Text with Cooperative Deformable Aggregation for Multi-modal Object ReID**  
Yuhao Wang, Yongfeng Lv, Pingping Zhang, Huchuan Lu. XXXX-2025
- **SD-ReID: View-aware Stable Diffusion for Aerial-Ground Person ReID**  
Xiang Hu, Yuhao Wang, Bin Yan, Pingping Zhang, Huchuan Lu. XXXX-2025
- **LaTex: Leveraging Attribute-based Text Knowledge for Aerial-Ground Person ReID**  
Xiang Hu, Yuhao Wang, Ruijuan Zhang, Pingping Zhang, Huchuan Lu. XXXX-2025
- **HPF-SAM: Hierarchical Frequency Prompt SAM for Marine Animal Segmentation**  
Tianyu Yan, Yuhao Wang, Yang Liu, Pingping Zhang\*, Huchuan Lu. XXXX-2025