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: Rethinkng 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 Transformeral 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

- **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*