

Kewei Wang

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EDUCATION

- **Huazhong University of Science and Technology (HUST)** Wuhan, China
M.Sc. in Artificial Intelligence 2021.09 - now
 - GPA: 89.4/100.0
 - Advisor: Prof. Zhiguo Cao
- **Huazhong University of Science and Technology (HUST)** Wuhan, China
B.Eng. in Automation 2017.09 - 2021.07
 - GPA: 90.0/100.0
 - Advisors: Prof. Zhiguo Cao

RESEARCH EXPERIENCE

- **S-Lab for Advanced Intelligence Nanyang Technological University** Singapore
Project Officer 2023.02 - now
 - Advisor: Assoc. Prof. Guosheng Lin

PUBLICATIONS

1. *Paper about Semi-Supervised Class-Agnostic Motion Prediction for Autonomous driving.*
First Author
Submitted to AAAI, 2024
2. *Paper about Self-Supervised Class-Agnostic Motion Prediction for Autonomous driving.*
First Author
Submitted to AAAI Fast Track, 2024
3. *Interior Attention-Aware Network for Infrared Small Target Detection*
Kewei Wang, Shuaiyuan Du, Chengxin Liu, Zhiguo Cao
IEEE Transactions on Geoscience and Remote Sensing (**TGRS**), 2022
4. *From Characteristic Response to Target Edge Diffusion: An Approach to Small Infrared Target Detection*
Shuaiyuan Du*, **Kewei Wang***, Zhiguo Cao (* Co-first Authors)
Infrared Physics & Technology, 2022
5. *Robust Object Detection With Inaccurate Bounding Boxes*
Chengxin Liu, **Kewei Wang**, Hao Lu, Zhiguo Cao, Ziming Zhang
European Conference on Computer Vision (**ECCV**), 2022

6. *Dynamic Color Transform Networks for Wheat Head Detection*
Chengxin Liu, **Kewei Wang**, Hao Lu, Zhiguo Cao
Plant Phenomics, 2022
7. *Transview: Inside, outside, and across the cropping view boundaries*
Zhiyu Pan, Zhiguo Cao, **Kewei Wang**, Hao Lu, Weicai Zhong
In Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV), 2021
8. *Dynamic color transform for wheat head detection*
Chengxin Liu, **Kewei Wang**, Hao Lu, Zhiguo Cao
Proceedings of the IEEE/CVF International Conference on Computer Vision Workshops (ICCVW), 2021

SERVICE

Reviewer for CVPR 2023 (Outstanding Reviewer), ICCV 2023, WACV 2024.

HONORS AND AWARDS

2nd Prize in "Huawei Cup" 4th CN Graduate Students' AI Competition (10000 RMB bonus)	2022
Shenzhen Stock Exchange scholarship	2022
First-class academic scholarship, HUST	2022
2nd Place in the ICCV21 Global Wheat Challenge 2021 Workshop (1000 USD bonus)	2021
First-class academic scholarship, HUST	2021
Outstanding Graduate, HUST	2021
National Encouragement Scholarship, HUST	2018

INTERESTS

Computer Vision, Motion Prediction, Annotation-Efficient Learning, Computer Games.