

CHAOQUN WANG

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Bio. I am currently a Ph.D. student at The Chinese University of Hong Kong, Shenzhen under the supervision of Prof. Tianwei Yu and Prof. Ruimao Zhang. Before that, I received the B.E degree from Huazhong University of Science and Technology in 2016, and M.S degree from Nanjing University of Science and Technology in 2021.

My interests include computer vision, deep learning, and multi-modalities. I have authored and co-authored papers in the IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), the IEEE Trans. on Pattern Analysis and Machine Intelligence (**T-PAMI**), and submitted to the IEEE Conference European Conference on Computer Vision (**ECCV**) and the IEEE Trans. on Medical Imaging (**TMI**).

EDUCATION

The Chinese University of Hong Kong, Shenzhen (CUHKSZ) *Jun. 2021 - Now*

- Computer and Industrial Engineering, School of Science and Engineering;
- Advisor: Prof: Ruimao Zhang (<http://www.zhangruimao.site/>).

NanJing University of Science and Technology (NJUST) *Sept. 2018 - Mar. 2021*

- M.S in School of Computer Science and Engineering. overall mark: 83.39/100;
- Advisor: Prof: Zhen Cui (<http://aip.seu.edu.cn/zcui/>);
- Lab: PCALab (Key Laboratory of Ministry of Education).

HuaZhong University of Science and Technology (HUST) *Sept. 2012 - Jun. 2016*

- B.E in School of Naval Architecture and Ocean Engineering. overall mark: 78.38/100.

ACADEMIC AWARDS

- **Outstanding Graduate Student (top 1%)**, NJUST *Nov. 2020*
- **National Scholarship (top 1%)**, NJUST *Oct. 2020*
- The First Prize Scholarship (top 10%), NJUST *Oct. 2020*
- The Second Prize Scholarship (top 20%), NJUST *Oct. 2019*

PUBLICATIONS

(† indicates the equal contribution)

1. **Chaoqun Wang**, Chunyan Xu, Zhen Cui, Ling Zhou, Tong Zhang, Xiaoya Zhang, Jian Yang: "Cross-Modal Pattern-Propagation for RGB-T Tracking", published in the IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2020.
2. Jie Yang, **Chaoqun Wang**[†], Ruimao Zhang, Yuzhou, Huang, et. al.: "Universal Human Parsing via Single Transformer with Scalable Semantic Transfer", submission to the IEEE Conference European Conference on Computer Vision (**ECCV**), 2022.
3. Zhen Cui, Ling Zhou, **Chaoqun Wang**, Jian Yang: "Visual Micro-Pattern Propagation", published in the IEEE Trans. on Pattern Analysis and Machine Intelligence (**T-PAMI**), 2022.
4. Jie yang, Ruimao Zhang, **Chaoqun Wang**, et. al.: "Toward Accurate Unpaired Multi-modal Medical Image Segmentation via Single Transformer", submission to the IEEE Transactions on Medical Imaging (**TMI**), 2022.
5. Ling Zhou, Zhen Cui, Chunyan Xu, Zhenyu Zhang, **Chaoqun Wang**, Tong Zhang, Jian Yang: "Pattern-Structure Diffusion for Multi-Task Learning", published in the IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2020

PROJECT EXPERIENCE

Hazard Detection (Accenture Co., Ltd.) *Sept. 2021 - Now*

- Participate **Referring Image Segmentation**

Representation learning theory and techniques for dynamic complex data *Jun.2019 - Sept.2020*

- Participate **Multi-modalities RGB-T Tracking Task, and Multi-modalities Feature Fusion**

SKILLS

- Familiar with Pytorch, and Tensorflow frameworks;
- Familiar with Python, and Matlab code languages;
- IELTS 6.5, CET6, English writing and reading skill.