

MR. ZHONGHUA WU

(65) 8672 5541 ◇ zhonghua001@e.ntu.edu.sg

EDUCATION

Nanyang Technological University, Singapore 2019.01 - Present
Ph.D. in Computer Science

Advisor: Prof. Lin Guosheng, Prof. Chen Change Loy and Prof. Cai Jianfei

University of Electronic Science and Technology of China, P.R. China 2013.09 - 2017.07
B.E. in Electronic Information Engineering

RESEARCH INTERESTS

Computer Vision

- Point cloud recognition
- Weakly supervised image segmentation and detection
- Image generation
- Language guided image generation

Machine Learning

- Deep Learning, Feature Representation Learning

PUBLICATIONS

* indicate as equal contribution.

Weide Liu*, **Zhonghua Wu***, Henghui Ding, Song Bai, Changhu Wang, and Guosheng Lin. “Few-Shot Segmentation with Global and Local Contrastive Learnin”, In submission

Xiangxi Shi*, **Zhonghua Wu***, Guosheng Lin, Jianfei Cai, and Shafiq Joty. “Remember What You Have Drawn: Memory-based Image Manipulation with Natural Language”, In submission

Zhonghua Wu, Xiangxi Shi, Guosheng Lin, and Jianfei Cai. “Learning Meta-class Memory for Few-Shot Semantic Segmentation”, ICCV 2021

Xiaojing Zhong*, **Zhonghua Wu***, Taizhe Tan, Guosheng Lin, and Qingyao Wu. “VVTM: Video-based Virtual Try-on network with Memory aggregation mechanism”, ACM MM 2021

Zhonghua Wu, Qingyi Tao, Guosheng Lin, and Jianfei Cai. “Exploring Bottom-up and Top-down Cues with Attentive Learning for Webly Supervised Object Detection”, CVPR 2020

Zhonghua Wu, Guosheng Lin, Qingyi Tao, and Jianfei Cai. “M2E-Try On Net: Fashion from Model to Everyone”, ACM MM 2019

Zhonghua Wu, Guosheng Lin, and Jianfei Cai. “Keypoint Based Weakly Supervised Human Parsing”, Image and Video Computing (IVC)

PROFESSIONAL EMPLOYMENTS

S-lab, NTU, Singapore 2020.11 – Now
Project Officer

Rapid-Rich Object Search (ROSE) Lab, NTU, Singapore 2017.11 – 2020.10
Project Officer

Minieye (Shenzhen Youjia Innov Tech Co., Ltd), Shenzhen, P.R. China 2017.08 – 2017.10
Algorithm Engineer Intern

Multimedia and Interactive Computing Lab (MICL), NTU, Singapore 2017.03 – 2017.05
Research Intern

MAJOR HONORS AND AWARDS

Paper Reviewer

ACM MM(2021), ACM MM(2020), IEEE TMM, TVCJ

National Second Prize, P.R. China

2015

National Undergraduate Electronics Design Contest

SKILLS

Languages: Fluent in Mandarin and English

Programming Languages: Python, Matlab, Shell, C++, LaTeX

Deep Learning Frameworks: PyTorch, TensorFlow, Caffe

MEMBERSHIPS

IEEE, ACM