WENCHAO MA

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EDUCATION

Wuhan University Sept.2020 - Jun.2023
Master Student of Computer Science Major: Computer Vision
Master Thesis: Holistic 3D Wireframe Perception from a Single Image

Chongqing University Sept.2016 - Jun.2020
Bachelor of Engineering Major: Software Engineering
Undergraduate Thesis: When Bounding Boxes Meet Line Segment Detection

AWARDS & HONORS

Second-Class Graduate Academic Scholarship of Wuhan University 2021
Outstanding Graduate of Chongqing University 2020
National Scholarship (Highest scholarship for undergraduate students in China) 2019
First-Class Scholarship of Chongqing University 2018, 2019

RESEARCH EXPERIENCE

Research Intern, NetEase Inc. Dec.2022 - Apr.2023
Fuxi AI Lab.
Topic: Human Motion Reconstruction

Master Student, Wuhan University Sept.2020 - Jun.2023
School of Computer Science.
Topic: 2D & 3D Structural Perception from Images.

Research Assistant, Chongqing University Jul.2018 - Jun.2019
School of Big Data. & Software Engineering
Topic: Action and Image Recognition

PUBLICATIONS

[1] **Wenchao Ma**, Bin Tan, Nan Xue, Tianfu Wu, Xianwei Zheng, and Gui-Song Xia. HoW-3D: Holistic 3D Wireframe Perception from a Single Image. In *IEEE International Conference on 3D Vision (3DV)*, 2022. [paper] [code] [video (5min)] [video (10min)]
[2] Junfeng Hu, Jun Liao, Li Liu and **Wenchao Ma**. RCapsNet: A Recurrent Capsule Network for Text Classification. In *International Joint Conference on Neural Networks (IJCNN)*, 2020. [paper]
[3] **Wenchao Ma**, Junfeng Hu, Jun Liao, Zhengcheng Fan, Jianjun Wu, and Li Liu. Finger Gesture Recognition Based on 3D-Accelerometer and 3D-Gyroscope. In *International Conference on Knowledge Science, Engineering and Management (KSEM)*, 2019. [paper]
[4] Junfeng Hu, **Wenchao Ma**, Aamir Khan, and Li Liu. Recognizing Character-Matching CAPTCHA Using Convolutional Neural Networks with Triple Loss. In *International Conference on Knowledge Science, Engineering and Management (KSEM)*, 2018. [paper]

RESEARCH INTERESTS

Computer Vision, Generative Model, 3D Vision

HOBBIES

Playing Basketball, Cooking

TECHNICAL SKILLS

Programming Languages: Python, C++, Cuda
Deep Learning Frameworks: PyTorch, TensorFlow, Keras
Tools: Linux, Latex