WENCHAO MA

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EDUCATION

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

Chongqing University   Sept.2016 - Jul.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	2019
First-Class Scholarship of Chongqing University	2018

RESEARCH EXPERIENCE

Research Intern, NetEase Inc.   Dec.2022 - Apr.2023
Topic: Human Motion Reconstruction from head-mounted device (HDM)

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]

HOBBIES

Playing Basketball, Cooking

TECHNICAL SKILLS

Language Proficiency: TOEFL 95 (Reading: 28, Listening: 24, Speaking: 19, Writing: 24)
Programming Languages: Python, C++, Cuda
Tools: Linux, Latex