WENCHAO MA

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EDUCATION

Wuhan University   Sept.2020 - July.2023
Master of Engineering   Major: Computer Science
Awards:
Second-Class Graduate Academic Scholarship of Wuhan University   2021
Core Courses:
Mathematical Statistics, Advanced Operating System, Advanced Computer Graphics, Machine Learning in Computer Vision
Research Experience:
Graduate student, School of Computer Science
Topic: 2D Line Segment Detection and 3D Wireframe Reconstruction (**Publications** [1])
Master Thesis:
Holistic 3D Wireframe Perception from a Single Image

Chongqing University   Sept.2016 - July.2020
Bachelor of Engineering   Major: Software Engineering
Awards:
Outstanding Graduate of Chongqing University   2020
National Scholarship   2019
First-Class Scholarship of Chongqing University   2018, 2019
Core Courses:
Advanced Mathematics, Linear Algebra, Probability & Mathematical Statistics, Object Oriented Programming, Computer Organization and Architecture, Data Structures and Algorithms, Principles of Operating Systems, Database Principle and Design
Research Experience:
Research Assistant, School of Big Data & Software Engineering
Topic: CAPTCHA recognition and gesture classification (**Publications** [2-4])
Undergraduate Thesis:
When Bounding Boxes Meet Line Segment Detection

WORK EXPERIENCE

Research Intern, NetEase Inc.   Dec.2022 - Apr.2023
Topic: Human Motion Reconstruction from Head Mounted Devices (HMDs)

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. *(3DV 2022)*

[2] Junfeng Hu, Jun Liao, Li Liu and **Wenchao Ma**. RCapsNet: A Recurrent Capsule Network for Text Classification. *(IJCNN 2020)*

[3] **Wenchao Ma**, Junfeng Hu, Jun Liao, Zhengcheng Fan, Jianjun Wu, and Li Liu. Finger Gesture Recognition Based on 3D-Accelerometer and 3D-Gyroscope. *(KSEM 2019)*

[4] Junfeng Hu, **Wenchao Ma**, Aamir Khan, and Li Liu. Recognizing Character-Matching CAPTCHA Using Convolutional Neural Networks with Triple Loss. *(KSEM 2018)*

TECHNICAL SKILLS

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