Zhenyu Ren

@ Mail: renzy2022@mail.sustech.edu.cn | ⭘ Github: https://github.com/rzy0901 | ❂ Website: https://renzhenyu.site

EDUCATION

Southern University of Science and Technology (SUSTech) Shenzhen, China
B.Sc. in Communication Engineering; **GPA: 3.69/4.00; Weighted Score: 88.07** *Sep 2018 − Jun 2022*
M.Sc. in Electronic Science and Technology; **GPA: 3.44/4.00; Weighted Score: 88.52** *Sep 2022 − Jun 2025*

Supervised by Prof. Rui Wang (Area Editor of IEEE OJ-COMS), focusing on **sensing channel modeling and experimental mmwave system for wireless sim2real gesture recognition.**

EXPERIENCE

Huawei Technology, Computer Network and Protocol Research Laboratory Shenzhen, China
Research Intern *July 2024 − present*

Working on **Nearlink (Sparklink) wireless communication protocal**. Collaborating with Prof. Mo Li (IEEE Fellow).

Huawei Technology, Wireless Technology (WT) Laboratory Shenzhen, China
Research Intern *June 2021 − June 2022*

Focusing on **wireless communication & sensing technology**. Supervised by Dr. Tony Han Xiao (Chair of IEEE 802.11bf).

PUBLICATIONS

Zhenyu Ren, Guoliang Li, Chenqing Ji, Chao Yu, Shuai Wang, and Rui Wang. "CASTER: A Computer-Vision-Assisted Wireless Channel Simulator for Gesture Recognition," in *IEEE Open Journal of the Communications Society*, vol. 5, pp. 3185-3195, 2024. DOI: 10.1109/OJCOMS.2024.3398016. Paper | GitHub | Project Page.

REN Zhenyu, JI Chenqing, YU Chao, CHEN Wanli, and WANG Rui. Computer vision-assisted wireless channel simulation for millimeter wave human motion recognition[J]. Journal of Radars, in press. DOI: 10.12000/JR24101.

AWARDS & ACHIEVEMENTS

Second Prize in the 17th "Challenge Cup" Guangdong University Student Extracurricular Academic Science and Technology Works Competition, 2023.

Leader for Guangdong University Students' Science and Technology Innovation Cultivation Special Fund ("Climbing Plan" Special Fund), 2022∼2023 *(Funding: 20,000 RMB)*.

2022 Excellent Graduate of Undergraduate for exceptional performance in the SUSTech.

Southern University of Science and Technology Outstanding Student Third-Class Scholarship (2018∼2019, 2020∼2021).

First Prize in the 2020 National College Student Mathematics Modeling Competition *(Top 0.5% among 45000++ teams in China)*.

SKILLS

Programming Languages: C/C++, Python, MATLAB, Java
Technologies: PyTorch, Linux/Ubuntu, Git/GitHub, OpenCV, UHD/USRP, 60GHz Sivers
Writing: LaTeX, Markdown, Website
English: IELTS 6.5 with sub-score 6.0 (Test date: *Jan 2024*);

REFERENCES

Prof. Rui Wang, Associate Professor, Department of Electronic and Electrical Engineering (EEE), Southern University of Science and Technology, Email: wang.r@sustech.edu.cn.