

Jiangtao Yu

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EDUCATION

Beijing University of Posts and Telecommunications (BUPT) SEPT. '19 - JUL. '23

B.Eng (expected in '23) in Information Engineering, School of Information and Communication Engineering (S.I.C.E)
GPA: **3.88**/4, Rank: **3**/203

The University of Hong Kong (HKU) SEPT. '23 (INCOMING)

Ph.D (incoming in '23) in AIoT Lab, Systems & Networking Group, Department of Computer Science
Supervisor: Prof. Chenshu Wu

PUBLICATIONS

- MID: ACCURATE AND ROBUST USER IDENTIFICATION AND AUTHENTICATION THROUGH HAND-GESTURE SENSING WITH MMWAVE RADAR (*in submission to IMWUT*) - (Haipeng Liu, Xianwen Bai, Kunpeng Wang, Anfu Zhou, PeilinPan, Songyu Xu, Heyang Gao, **Jiangtao Yu**, Liang Liu, Huadong Ma)
- RADIO2SPEECH: HIGH QUALITY SPEECH RECOVERY FROM RADIO FREQUENCY SIGNALS (*Interspeech 2022*) - (Running Zhao, **Jiangtao Yu**, Tingle Li, Hang Zhao*, Edith C.H. Ngai*)

RESEARCH EXPERIENCE

- **The Intelli. Comm. Soft. and Multi. Key Lab (affiliated to BUPT)** JUN. '20 - SEPT. '21
Undergraduate Intern (Program: Radar and D.L.) - The Intelligent Communication Software and Multimedia Key Laboratory of Beijing, School of C.S. - Supervisor: Prof. Anfu Zhou @ Beijing, PRC

Performed undergraduate intern in mmWave, D.L. for the gestures recognition and tracing with mmWave Radar.

- **MARS Lab (affiliated to IIIS, Tsinghua University)** NOV. '21 - PRESENT
Research Assistant (Program: Multimodal and Multi-sensor M.L.) - Shanghai Qi Zhi Institute (affiliated to IIIS, Tsinghua University) - Supervisor: Prof. Hang Zhao @ Beijing and Shanghai, PRC

Performed undergraduate research assistant in wireless perception, belongs to multimodal and multi-sensor M.L. I am mainly responsible for the collection and arrangement of experimental data, neural network construction and fine-tuning. I have produced the Radar Microphone system and a paper.

HONORS AND SCHOLARSHIPS

- **National Scholarship** (Rank: 7/902, **0.7%**)
- **China Mobile Outstanding Student Scholarship** (Rank: 2/192, **1%**)
- **1st prize** of the 12th National Math. Competition for College Students (Engineering)
- **Outstanding Paper Nomination** in the "Shenzhen Cup" Math. Modeling Competition National Finals (**1st Author**)
- **1st prize** of the 11st National College Students E-Commerce Competition

SKILLS

LIBRARIES: C/C++, Python, Website, MATLAB, TensorFlow, Pytorch, DSP

LANGUAGE: IELTS 6.5