

Luca Jiangtao Yu

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EDUCATION ***Ph.D. Computer Science*** incoming in Sept '23
Dept. of Computer Science
The University of Hong Kong (HKU)
Mentor: Prof. Chenshu Wu at AIoT Lab, Systems & Networking Group

B.Eng. Information Engineering expected in Jul '23
School of Info. & Comm. Engineering
Beijing University of Posts and Telecommunications (BUPT)
GPA: **3.88**/4, Rank: **3**/203, **1.5**%

RESEARCH INTERESTS

- Multimedia Signal Processing, Deep Learning Application.
- Wireless AI Perception, Multi-modality and Internet of Things.

EXPERIENCE *Incoming Student* Oct '22 - Present
AIoT Lab, Mentor: Prof. Chenshu Wu
Dept. of Computer Science, HKU (Hong Kong)

Research Assistant Nov '21 - Present
MARS Lab, Mentor: Prof. Hang Zhao
IIIS, Tsinghua University (Beijing) & Shanghai Qi Zhi Institute (Shanghai)

- Research on wireless perception, multi-modal and multi-sensor machine learning.
- Developed an acoustic sensing system using mmWave radar to eavesdrop.

Research Intern Jun '20 - Sept '21
Intelligent Comm. Software & Multimedia Key Lab, Mentor: Prof. Anfu Zhou
School of Computer Science, BUPT (Beijing)

- Research on mmWave radar tracking & sensing.
- Developed a plan of double-hand tracking clustering using mmWave radar.

PUBLICATIONS

- Running Zhao, Jiangtao Yu, Tingle Li, Edith C.H. Ngai*, Hang Zhao*. "Radio2Speech: High Quality Speech Recovery from Radio Frequency Signals". In Proc. Interspeech, 2022.

HONORS & SCHOLARSHIP

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

SKILLS Library: C/C++, Python, Website, MATLAB, TensorFlow, Pytorch, DSP
English: IELTS 6.5