Luca Jiangtao Yu

CONTACT INFORMATION	Address: Room 101, Haking Wong Building, The University of Hong Kong, Pokfulam, Hong Kong Tel: +852 9810 0794 E-mail: `lucayu@connect.hku.hk` Homepage: `lucayu.me`

EDUCATION

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

B.Eng. in Information Engineering   Sept '19 - Jul '23
School of Info. & Comm. Engineering
Beijing University of Posts and Telecommunications (BUPT), China
GPA: **3.88**/4, **1.5**%

RESEARCH INTERESTS

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

EXPERIENCE

Research Assistant   Nov '21 - Sept '23
MARS Lab, Advisor: Prof. Hang Zhao
IIIS, Tsinghua University (Beijing) & Shanghai Qi Zhi Institute (Shanghai)
- Research on wireless perception, multi-modality/sensor machine learning.
- Developed an acoustic sensing system via mmWave radar to eavesdrop.

Research Intern   Jun '20 - Sept '21
Intelligent Comm. Software & Multimedia Key Lab, Advisor: Prof. Anfu Zhou
School of Computer Science, BUPT (Beijing)
- Research on mmWave radar tracking & sensing.
- Developed a plan of double-hand tracking clustering via mmWave radar.

PUBLICATIONS

- Running Zhao, **Jiangtao Yu**, Tingle Li, Edith C.H. Ngai[†], Hang Zhao[†]. "Radio2Speech: High Quality Speech Recovery from Radio Frequency Signals". **Accepted** by *Interspeech 2022*. [project] [paper]
- Running Zhao[*], **Jiangtao Yu**[*], Hang Zhao[†], Edith C.H. Ngai[†]. "Radio2Text: Streaming Speech Recognition using mmWave Radio Signals". **Accepted** by *Ubicomp/ISWC 2023*. [paper]

HONORS & SCHOLARSHIP

- HKU Student Postgraduate Scholarship
- National Scholarship (Rank: 7/902, 0.7%)
- China Mobile Outstanding Student Scholarship (Rank: 2/192, 1%)
- 1st prize in National Math. Competition for College Students (Eng)

SKILLS

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

ACADEMIC SERVICE

Reviewer: MobiSys '23, ATC '23, OSDI '23; TA: COMP1117