Luca Jiangtao (Kong To) Yu

CONTACT INFORMATION	Address: Room 101, Haking Wong Building,
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	      Hong Kong
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EDUCATION

Ph.D. in Computer Science   Sept '23
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   Jul '23
School of Info. & Comm. Engineering
Beijing University of Posts and Telecommunications (BUPT), China
Major GPA: **3.94**/4

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 - Present
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". **Submitted** to *Ubicomp/IMWUT 2023*.

HONORS & 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)
- 1st prize in National College Students E-Commerce Competition

SKILLS

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

ACADEMIC SERVICE

Reviewer: MobiSys '23, ATC '23, OSDI '23