Luca Jiang-Tao Yu

CONTACT INFORMATION	Address: Room 101M, Haking Wong Building, The University of Hong Kong Pokfulam, Hong Kong Hong Kong E-mail: lucayu@connect.hku.hk Homepage: www.lucayu.me	
EDUCATION	Ph.D. in Computer Science Dept. of Computer Science The University of Hong Kong, Hong Kong Advisor: Prof. Chenshu Wu	Sept '23 - Present
	B.Eng. in Information Engineering School of Info. & Comm. Engineering Beijing University of Posts and Telecommunications, China GPA: 3.88/4, Rank: 2/203	Sept '19 - Jul '23
RESEARCH INTERESTS	• signal processing & machine learning co-design	
	• acoustic sensing applications	
	• mmWave radar sensing applications	
EXPERIENCE	Research AssistantNov '21 - Sept '23MARS Lab, Advisor: Prof. Hang ZhaoIIIS, 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	• Luca Jiang-Tao Yu [*] , Running Zhao [*] , Sijie Ji, Edith C.H. Nagi, Chenshu Wu. USpeech: Ultrasound-Enhanced Speech with Minimal Human Effort via Cross-Modal Synthesis. Pre-print.	
	• Luca Jiang-Tao Yu, Chenshu Wu. Unfolding Target Detection with State Space Mode. Pre-print.	
	• Running Zhao, Jiang-Tao Yu , Tingle Li, Edith C.H. Ngai [†] , Hang Zhao [†] . Ra- dio2Speech: High Quality Speech Recovery from Radio Frequency Signals. Ac- cepted by <i>Interspeech 2022</i> .	
	 Running Zhao[*], Jiang-Tao Yu[*], Hang Zhao[†], Edith C.H. Ngai[†]. Radio2Text: Streaming Speech Recognition using mmWave Radio Signals. Accepted by Ubi- comp/ISWC 2023. 	
HONORS & SCHOLARSHIP	IEEE Signal Processing Society ScholarshipHKU Student Postgraduate Scholarship	
	• National Scholarship (Rank: 7/902, 0.7%)	
	China Mobile Outstanding Student Scholarship (Bank: 2/192–1%)	

• China Mobile Outstanding Student Scholarship (Rank: 2/192, 1%)

• 1st prize in National Math. Competition for College Students (Eng)

ACADEMIC SERVICE

- Reviewer: MobiSys '23, ATC '23, OSDI '23;
- TA: COMP1117 (Computer Programming, '23 Spring), COMP7310 (Artificial Intelligence of Things, '24 Spring)
- PC Member: ICPADS '24