

Mr. Huang Yongzhi

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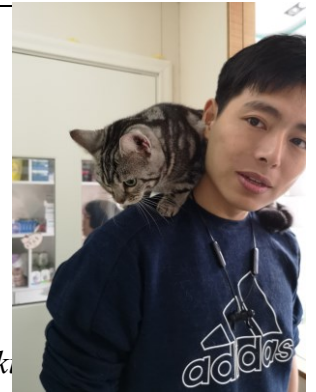
Education

09/2015-07/2017 Bachelor's degree in Computer Science and Technology,
Shenzhen University, Shenzhen, China

09/2017-07/2020 Master's degree in Computer Science and Technology
Shenzhen University, Shenzhen, China

07/2020-now Research assistant in Computer Science and Technology
Shenzhen University, Shenzhen, China

My advisor is **Prof. Kaishun Wu**, and I am doing research in the Network
with its leader **Prof. Lu Wang**.



GPA

Master's degree 3.59/4.0 **TOP 1** (1/58) during Master's degree

Publications & Research Experiment

- ✧ **Yongzhi. Huang**, K. Chen, Y Huang, L. Wang, and K. Wu, “Vi-liquid: unknown liquid identification with your smartphone vibration”, in the *ACM International Conference on Mobile Computing and Networking (Mobicom)*, 2021.
- ✧ **Yongzhi Huang***, Qinlang Dai*, L. Wang, R. Ruby, and K. Wu, “mm-Humidity: Fine-grained Humidity Sensing with Millimeter-Wave Signals”, in the *IEEE International Conference on Parallel and Distributed Systems (IEEE ICPADS)*, 2018. (* Contributed Equally)
- ✧ **Yongzhi Huang**, Shaotian Cai, L. Wang, and K. Wu, “Oinput: A Bone-Conductive QWERTY Keyboard Recognition for Wearable Device”, in the *IEEE International Conference on Parallel and Distributed Systems (IEEE ICPADS)*, 2018.
- ✧ Shuxin. Zhong, **Yongzhi. Huang**, R. Ruby, L. Wang, Y. Qiu, and K. Wu, “Wi-Fire: Device-free Fire Detection using WiFi Networks”, in the *IEEE International Conference on Communications (IEEE ICC)*, 2017.

On going work

Aug/20- *Overlap Keystroke Identification*

Present **Major Principal:** Responsible for the overall research project.

May/19 *Sensory substitution of the blind and design a new type of auxiliary glasses*

Present **Major Principal:** Responsible for the overall research project.

May/20 *Milk deterioration detection only using a Single LED*

Present **Major Principal:** Responsible for the overall research project.

Patent

- ✧ Wu Kaishun, **Huang Yongzhi**, Wang Lu, Zhong Shuxin, Yang Hailiang, "Methods and Systems for Indoor Fire Detection and Alarm based on Wireless Signal Transmission", application date: 2017.03.10, application number: 2017101410168, China, ranked 3rd.
- ✧ Wu Kaishun, **Huang Yongzhi**, Dai Qingming, Wang Lu, "Humidity Sensing and Detection Method and System based on Millimeter-Wave Signal", application date: 2018.09.05, application number: 20181810308394.
- ✧ Wu Kaishun, **Huang Yongzhi**, Wang Lu, Cai Shaotian, Zhang Jianhao, "An Intelligent Input Method and System based on Bone Conduction", application date: 2019.03.20, application number: 201910213226.2.
- ✧ Wu Kaishun, **Huang Yongzhi**, Wang Lu, Cai Shaotian, Zhang Jianhao, "An Intelligent Input Method and System based on Bone Conduction", application date: 2019.03.20, application number: PCT/CN2019/078870.
- ✧ Wu Kaishun, **Huang Yongzhi**, Wang Lu, Zhong Shuxin, Yang Hailiang, "Methods and Systems for Indoor Fire Detection and Alarm based on Wireless Signal Transmission", application date: 2018.09.30, application number: PCT/CN2017/084237.
- ✧ Wu Kaishun, **Huang Yongzhi**, Wang Lu, Chen Kaixin, "An Auxiliary Perception Method and System Based On Sensory Substitution", application date: 2019.12.02, application number: 201911210888.0-
- ✧ Wu Kaishun, Dong Yinying, **Huang Yongzhi**, Wang Lu, Yang Ruixiong, "Liquid Identification Method and System by Surface Capillary Wave Measurement Based on Structured Light", application date: 2019.11.26, application number: 201911176425.7
- ✧ Wu Kaishun, **Huang Yongzhi**, Kaixin Chen, Wang Lu, Kaijie Zan, "Method and System for Identifying Liquid using Mobile Phone", application date: 2020.09.02, application number: 202010838592.X
- ✧ Wang Lu., **Huang Yongzhi**, Dong Yinying, Wu Kaishen, Lu Runping, "A Low Power Consumption and Low Price Liquid Monitoring Method", application date: -, application number:-.

Honors and Awards

Contest Prizes

2017	Interdisciplinary Contest in Modeling	Meritorious Winner
2020	National College Students E-commerce "Innovation, Creativity and Entrepreneurship" Competition	Second Prize (18/50000+)
2020	Guangdong Division of China International "Internet Plus" College Students Innovation and Entrepreneurship Competition	Silver Award (12/157800+)
2016	Interdisciplinary Contest in Modeling	Honorable Mention
2015	National Undergraduate Electronic Design Competition	First Prize
2020	China University Student Service Outsourcing Innovation and Entrepreneurship Competition---Nation Division	Third Prize
2017	Star of Double Innovations	First Prize
2020	"Challenge Cup" Guangdong University Student Entrepreneurship Competition---Guangdong Division	Bronze Award
2016	Mathematical Modeling Contest	Third Prize

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2017	Challenge Cup for Students Extracurricular Academic & Scientific Technology Competition (WiFi Based Indoor Fire Detection System)	Third Prize
2018	Star of Double Innovations	Third Prize
2017	Challenge Cup for Students Extracurricular Academic & Scientific Technology Competition (Research and Optimization of NUMA Structure Sensitive Parallel Computing)	Winning Prize

Scholarships

2015	Excellent Student of Academic Performance	Top Prize
2017	Academic Scholarship for Graduate Students	Top Prize
2016	Excellent Student of Academic Performance	First Prize
2017	Exam-free Candidates Scholarship	First Prize
2018	Academic Scholarship for Graduate Students	First Prize
2019	International Short-Term Academic Scholarship	

Language Ability

CET-4:	504	12/2013
IELTS	6	12/2019

Special Skill Hobby

I have Special passion for Biomedical Science and Finance. I am really passionate about reading, and I have insisted on several years in reading, approximately 20-30 books per year. My reading scope involves history, sociology, futurology, and management, etc.

Organized Activities

2010	Welcome Party for new students of University	
Won 24 Contest Awards as Team Director, Some Representative Awards:		
2020	Chinese College Students Computer Design Competition---Nation Division	Top Prize
2020	Chinese College Students Computer Design Competition---Nation Division	Third Prize
2020	China University Student Service Outsourcing Innovation and Entrepreneurship Competition---Nation Division	Third Prize
2020	"Challenge Cup" Guangdong University Student Entrepreneurship Competition---Guangdong Division	Silver Award (129/7400+)