

YUHANG YANG

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Engineering, Nanjing, China
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EDUCATIONAL BACKGROUND

BS	<u>Harbin Institute of technology</u> Harbin, Heilongjiang, China Major: Communication Engineering GPA: 92.52 /100, Rank: 3/120 Thesis: Sensing-assisted radio map construction	<i>Aug.2018 -Jun.2022</i>
MS	<u>Southeast University</u> Nanjing, Jiangsu, China Major: Integrated sensing and communication Advisor: Dr. Zeng Yong	<i>Sep.2022-Present</i>

RESEARCH EXPERIENCE

Unmanned logistics warehousing robot based on the Internet of Things <i>Harbin institute of technology, School of Electronics and Informatics</i> Instructed by <u>Dr. Li Hongzhi</u>	<i>Feb.2020 – Dec.2020</i>
<ul style="list-style-type: none">Study and design the ultra-wideband(UWB) centimeter-level indoor positioning algorithmLearn and complete the WeChat mini program that demonstrates the robot's IoT functions Sensing-assisted radio map construction <i>Southeast University, Purple Mountain Laboratory</i> Instructed by <u>Dr. Zeng Yong</u>	<i>Sep.2021 – June.2022</i>
<ul style="list-style-type: none">Design the algorithm of UAV sensing to assist simultaneous physical mapping and radio mapping in urban environment	

COURSES

- **Math:** *Linear Algebra(95), Calculus(99), Probability theory(97), Complex analysis, Convex Optimization*
- **Professional Courses:** *Communication Principle(97), Signal and Linear System(100), Information Theory, Digital Signal Processing, Computer Network*

HONORS & AWARDS

National scholarships(top 3%)	<i>Dec.2020</i>
Outstanding Undergraduate Graduates	<i>Jun.2021</i>
Second Class Academic Scholarship	<i>Oct.2022</i>

SKILLS & LANGUAGE

- **Skills:** Master of Matlab, Python programming
Experience with practical projects about robots
Familiar of communication theories and data communication
Familiar of the design of analogue circuit and digital circuit
- **English:** CET-4 485, CET-6 433

SELECTED PUBLICATIONS

- Yang Y, Xu X, Zeng Y. Simultaneous Radio and Physical Mapping for Cellular-Connected UAV by Fusing Radio and Sensing Data[C]//2023 IEEE International Conference on Communications Workshops (ICC Workshops). IEEE, 2023: 1433-1438.