

Yazhou Li

(+44) 787-427-6836
yazhou.li@qmul.ac.uk

EDUCATION

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| Queen Mary University of London, Center for Digital Music <i>Ph.D., Artificial Intelligence and Music</i> <i>Supervisor: Joshua Reiss, Lin Wang</i> | 2021 - Now |
| Beihang University, SHENYUAN Honors College <i>B.S., Computer Science and Technology, GPA: 3.74/4</i> | 2017 - 2021 |

RESEARCH INTERESTS

Personal Sound Zone, Spatial Audio, Binaural Reproduction, Room acoustics, Loudspeaker Array

ACADEMIC EXPERIENCE

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| Center for Digital Music (C4DM), Queen Mary University of London <i>Advisor: Joshua Reiss, Lin Wang</i> <ul style="list-style-type: none">• Topic: binaural and personal audio reproduction for multiple listeners using a loudspeaker array with room acoustics modelling | 2021/9 - present |
| Speech and Hearing Research Center (SHRC), Peking University <i>Research Assistant, advisor: Tianshu Qu</i> <ul style="list-style-type: none">• Topic: spatial principal components based individual HRTFs model using 3D head meshes | 2020/11 - 2021/6 |
| P.C. ROSSIN College of Engineering & Applied Science, Lehigh University <i>Research Assistant, advisor: Yahong Rosa Zheng</i> <ul style="list-style-type: none">• Topic: GPU profiling, autonomous driving | 2020/1 - 2020/6 |
| University of British Columbia <i>Summer School, Computer Music</i> <ul style="list-style-type: none">• Topic: guitar amplifier and loudspeaker circuit building | 2018/7 - 2018/8 |

PUBLICATION LIST

Yazhou Li, Lin Wang and Joshua Reiss. "Impact of mismatched room acoustic modeling on transaural reproduction with loudspeaker arrays", in *Audio Engineering Society Convention 155*. New York, USA, 2023.

Yazhou Li and Yahong Rosa Zheng. "Profiling NVIDIA Jetson Embedded GPU Devices for Autonomous Machines." International Conference on Signal, Image Processing and Embedded Systems. Vol. 10. No. 18. 2020.

SKILLS

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| Programming Languages | C, Python, JAVA, C++, Matlab, MIPS assembly language |
| Others | Django, React, Github, ROS, Linux, LaTeX, Docker, Verilog, PyTorch, TensorFlow |

RELEVANT COURSEWORK

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| Math | Linear Algebra, Calculus, Discrete Math, Probability Theory, Machine Learning, Signals and Systems |
| Audio/Music | Digital Signal Processing, Music Information Retrieval, Deep Learning for Audio and Music, Music Informatics, Music and Audio Programming, Sound Recording and Production Techniques |

TEACHING ASSISTANT

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|---|-------------|
| IOT764P - Applied Statistics, QMUL | Fall 2023 |
| ECS764A - Applied Statistics, QMUL | Fall 2022 |
| ECE 350/450 - Introduction to Robotic Perception and Computer Vision, Lehigh University | Spring 2020 |
| DSCI 421 - Accelerated Computing for Machine Learning, Lehigh University | Spring 2020 |

HONORS

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| Outstanding Graduates, Beihang University | 2021 |
| IFAC2020 F1tenth Grand Prix Second Place | 2020 |
| First Class Scholarship for Excellent Study, Beihang University | 2017-2018 |
| Beihang Sports Meeting 800M, 1500M women Champion | 2019 |