

# **Yushan XU**

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## **EDUCATION**

<b>Imperial College London (ICL), Dyson School of Design Engineering</b> <b>Major in Design Engineering, Master of Science</b> <b>GPA:</b> UK 67.47% (Merit) ~3.6/4.0 GPA equivalent	09/2024-2025
<b>Shanghai University (SHU)</b> <b>Major in Industrial Design, Bachelor of Engineering</b> <b>GPA:</b> 3.32/4.0 (85.15/100)	09/2020-06/2024

## **RESEARCH EXPERIENCE**

<b>Research Assistant (<i>Supervised by Prof. Lorenzo Picinali</i>), Audio Experience Design Group</b> , Imperial College London, London, UK	01/2025-Present
• Conducting research on spatial hearing and auditory perception through VR-based experiments in Unity. Current work focuses on HRTF measurement and personalization, localization tasks comparing individualized HRTFs and DTFs, and a Precedence Effect study exploring how early reflections and temporal delays influence spatial stability.	
• Responsible for experimental design, Unity implementation, audio calibration, UI development, and participant testing. Collaborate with faculty and PhD researchers on data analysis, documentation, and manuscript preparation.	

## **ACADEMIC PROJECTS**

<b>Anti-Fall Belt for Disabled Elderly</b> , Shanghai, China Led academic writing, prototyping and user testing of inflatable wearable.	04/2022-2023
<b>Home Management and Service Design for COPD</b> , Shanghai, China Conducted early-stage UX research; built system prototypes and ran usability testing.	04/2021-2022

## **INTERNSHIP EXPERIENCE**

<b>Design Operations, NFT Dept., Shanghai HashKey Co., Ltd.</b> , Shanghai, China Designed interactive H5 game for Web3 users (150K+ reach).	06-08/2024
<b>Product Designer, Caige Design &amp; Intelligence Group Co.</b> , Harbin, China Contributed to smart bus station design & prototyping.	06-08/2022

## **EXTRACURRICULAR ACTIVITIES**

<b>Volunteer, Shanghai Science and Technology Museum</b> , Shanghai, China Shanghai Universities Volunteer Team Leader	02/2022-2023
<b>President, Original Music Club</b> , SHU Organized live events and performed as keyboardist at university and public festivals.	09/2021-2022

## **AWARDS & HONORS**

<b>Third Prize in Product Design, 9<sup>th</sup> Shanghai University Student Cultural and Creative Works Exhibition</b> , Shanghai, China	08/2024
<b>Excellent Student of University</b> , SHU	12/2021-2022
<b>Leadership Scholarship</b> , SHU	11/2021-2022

## **SKILLS**

**Design Software:** Unity, MaxMSP, TouchDesigner, KeyShot, Processing, SolidWorks, AutoCAD  
**Programming:** C, Java, Python  
**Language:** English(fluent), Mandarin(native)