

# FANGTAO ZHAO

Phone: +86 18653700407

Email: [fangtao.zhao0111@gmail.com](mailto:fangtao.zhao0111@gmail.com)

Homepage: [fangtao-zhao.github.io](https://fangtao-zhao.github.io)

## EDUCATION

University of Southern California | Los Angeles, US

08/2023 - Present

M.Sc. in Computer Science - Game Development

Xi'an Jiaotong-Liverpool University | Suzhou, China

09/2019 - 07/2023

B.Eng. in Computer Science and Technology, First Class (Honors)

## RESEARCH EXPERIENCE

Research Assistant

05/2024 - 08/2024

APEX Group, Hong Kong University of Science and Technology | Guangzhou, China

- Advisor: Mingming Fan

Research Assistant

08/2023 - Present

HaRVI Lab, University of Southern California | Los Angeles, US

- Advisor: Heather Culbertson

Research Assistant

06/2022 - 07/2023

X-CHI Lab, Xi'an Jiaotong-Liverpool University | Suzhou, China

- Advisor: Hai-Ning Liang

## PUBLICATION

Xiaoying Wei, **Fangtao Zhao**, Yingna Wang, Zeyu Xiong, Mingming Fan. (2025), “XiquVR: Facilitating Inter-Generational Communication and Connection through Traditional Chinese Opera (Xiqu) with Virtual Reality”, *ACM CHI 2025* (**Under Review**)

**Fangtao Zhao**, Yiming Luo, Ziming Li, Yue Li, Hai-Ning Liang. (2024), “AirWhisper: Enhancing Virtual Reality Experience via Visual-Airflow Multimodal Feedback.”, *Journal on Multimodal User Interfaces*

## SELECTED PROJECTS

Facilitating Intergenerational Communication through Traditional Chinese Opera in VR

06/2024 – 09/2024

HCI + VR + Assistive | HKUST APEX Group

Mitigating Cybersickness in VR through Stochastic Resonance.

12/2023 - Present

HCI + VR + Haptics | USC HaRVI Lab

Mitigating Cybersickness During Locomotion in VR through Vibrotactile Feedback on Foot

08/2023 - 12/2023

HCI + VR + Haptics | USC HaRVI Lab

AirWhisper: Enhancing Virtual Reality Experience via Visual-Airflow Multimodal Feedback

09/2022 - 06/2023

HCI + VR + Haptics | XJTLU X-CHI Lab | **Project Leader**

Exploring the Impacts of Using VR on Postgraduates' Interactions in Group Discussions

06/2022 - 03/2023

HCI + VR + Linguistics | XJTLU X-CHI Lab & XJTLU Language Center

## ACADEMIC SERVICE

Student Volunteer in 21st IEEE ISMAR 2022 conference (online)

Student Volunteer in 5th IEEE AIVR 2022 conference (online)

## SKILLS

**Programming Languages:** Java, Python, C#, C++/C, SQL, R, Verilog

**Tools:** Unity3D, Arduino, Blender, SPSS, LaTeX