Ningning Xu

Assistant Lecturer
Zhejiang Wanli University

Research Interest: Augmented Reality (AR), Virtual Reality (VR) and Information Visualization.

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EXPERIENCE

Co-Teacher
Zhejiang Wanli University
2023/2024 S1 *Ningbo*
- In art and technology major courses.

Teaching Assistant
Xi'an Jiaotong-Liverpool University
2021/2022 S2, 2020/2021 S2 *Suzhou*
- In CPT208 Human-Centric Computing.

Research Assistant
XrVis Lab, Xi'an Jiaotong-Liverpool University
2021.7 - 2022.1 *Suzhou*
- Research in the field of HCI.

Teaching Assistant
Xi'an Jiaotong-Liverpool University
2021/ 2022 S1 *Suzhou*
- In CPT411 Evaluation Methods and Statistics.

Teaching Assistant
Xi'an Jiaotong-Liverpool University
2020/ 2021 S2 *Suzhou*
- In CAN304 Computer Systems Security.

SKILLS

Unity | Arduino | Nomad 3D | Blender
Figma | Axure | D3.js | Three js | Echart
Overleaf | SmartPLS | Tableau | SPSS | Nvivo
Python | Matlab | C#, C++ | HTML, JS, CSS
After Effect | Audition | PhotoShop | Illustrator
Marvelous Designer | Flash | Abeletion Live

PROJECTS

EDUCATION

Phd Candidate
University of Nottingham, Ningbo
2022.9 - Present *Ningbo*

M.sc. Applied Informatics
Xi'an Jiaotong-Liverpool University
2020.9 - 2022.3 *Suzhou*
- **With distinction.**

BBA. Management Information System
Northwood University
- Sino-foreign cooperative education with Jiangnan University
2016.9- 2020.6 *Wuxi*
- **GPA: 3.4/4.**

PUBLICATIONS

Xu, N., Sun, X.*, Wang, X., Zhou, H., Yao, C. (In Review). Metaverse in HCI: A Conceptual Framework based on Environment Construction, Interactive Intention and User Factors. Humanities And Social Sciences Communications. **[SSCI Q1]**

Xu, N., Li, Y.*, Liang, J., Shuai, K., Li, Y., Yan, J. (In Review). Shuangta AR: Design and Evaluation of An Exploration Game for A Chinese Cultural Heritage Site. Journal on Computing and Cultural Heritage. **[SCI Q3]**

Xu, N., Liu, Y, Yu, L.* (Accepted). TimeQuestAR: Unfolding Cultural Narratives in an AR Board Game. ISMAR 2023: IEEE International Symposium on Mixed and Augmented Reality. **[EI, CCF B]**

Xu, N.*, Liang, J., Shuai, K., Li, Y., Yan, J. (2023). HeritageSite AR : An Exploration Game for Quality Education and Sustainable Cultural Heritage. Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems (CHI EA '23). **[EI,CCF A]**

Xu, N., Li, Y.*, Wei, X., Xie, L., Yu, L., Liang, H-N. (2023). CubeMuseum AR : A Tangible Augmented Reality Interface for Cultural Heritage Learning and Museum Gifting. International Journal of Human Computer Interaction (IJHCI). **[SCI Q1,CCF B]**

DrivingTour AR [Current Research]
This project aims to design an AR game to enhance the connection between non-driving tasks and the readiness to take over control in highly automated driving scenarios.

CompositionVR [Current Research]
This project aims to design a VR musical game to support musical composition, game and performance.

TimeQuestAR
This project aims to develop an AR board game, unfolding cultural narratives through situated visualization for cultural learning.

HeritageSite AR
This project aims to develop an exploration game for quality education and sustainable cultural heritage.

BlueAlgae Pollution Vis
This project integrating the 3D digital twin technology, aims to help users detect and analyze the pollution situation of the lake surface and unmanned ship track.

CUSMO
This project proposes CUSMO, a customizable and modularized smart glasses for future mobile realities.

CubeMuseum AR
This project presents a tangible AR interface for cultural heritage learning and museum gifting.

Air Pollution Vis
This project aims to explore the distribution, relationship, possible temporal and spatial impacts of pollution.

AR Cryptography
This project integrates classical cryptography into AR game to convey the knowledge for public.

Co-visit VR Museum
This project presents the collaboration between HMD curators and no-HMD spectators to support museum study.

First-aid in Emergency
This project aims to teach some first aid knowledge in cases via VR system.

DesktopShare for DJing
This project aims to provide a visual track view on mobile screen to low the threshold of DJing.

Cosplay AR
This project is a virtual try-on system based on Kinect and AR to promote the traditional Chinese clothes.

Synchro
This project is a smart meeting table to support muti-screens projection and control for muti-users.

Back to Covid-19
This project is a visual novel game developed by Renpy engine. This project is a 2D game developed by Unity.

Xu, N., Li, Y.*, Lin, J., Yu, L., and Liang, H-N. (2022). User Retention of Mobile Augmented Reality for Cultural Heritage Learning. ISMAR 2022: IEEE International Symposium on Mixed and Augmented Reality. **[EI,CCF B]**

EVENTS

2023 ACM CHI Virtual Conference on Human Factors in Computing Systems
CHI SDC Poster Presentation

2022 ACM MobileHCI International Conference on Human-Computer Interaction with Mobile Devices and Services
MobileHCI SDC Oral Presentation

2021 XJTLU Postgraduate Research Symposium
Poster Presentation and Oral Presentation

AWARDS & HONORS

2023 China Visualization and Visual Analytics Conference, Data Visualization Competition, [TimeQuestAR]
-First Prize

2023 ACM CHI Conference on Human Factors in Computing Systems, Student Design Competition, [HeritageSite AR]
- Finalist

2023 ACM MobileHCI International Conference on Human-Computer Interaction with Mobile Devices and Services, Student Design Competition, [CUSMO]
- Finalist

2022 China Visualization and Visual Analytics Conference, Data Visualization Competition, [BuleAlgae Pollution Vis]
- Second Prize

2021 China Commercial Passwords Exhibition, Cryptography Popularization Competition, [AR Cryptography]
- Second Prize

2021 International Conference on Virtual Reality and Visualization, China Competition Virtual Reality, [CubeMuseum]
- First Prize

2021 China Visualization and Visual Analytics Conference, Data Visualization Competition, [Air Pollution Vis]
- Merit Prize

RESEARCH GRANTS

PI, Li Dak Sum Innovation Fellowship
Sponsored by University of Nottingham, 79,000 RMB.
2023-10 to 2025-05

PhD Scholarship
Sponsored by University of Nottingham and Zhejiang University (2205DTPZJUNB), Tuition fee waiver & 16,2000 RMB stipend.
2022-09 to 2025-09