Yuzheng Chen

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EDUCATION

Lancaster University, United Kindom   **2024 – Present**
M.Sc by Research, Computer Science

University of Liverpool, United Kindom   **2018 – 2024**
B.Sc, Applied Mathematics

Xi'an Jiaotong-Liverpool University, China   **2018 – 2024**
B.Sc, Applied Mathematics

WORK EXPERIENCE

Neuron Game Studio, China   **2021 – 2022 (Gap Year)**
Position: Co-Founder & Unity Development Engineer
Achievement: *Entrepreneurial Grant for Selected Student Startups at XJTLU*

RESEARCH EXPERIENCE

Lancaster University, United Kindom   **2024 – Present**
Position: M.Sc by Research
Supervisors: Prof. *Hans Gellersen*

Hong Kong University of Science and Technology (Guangzhou), China   **2023 – 2024 (Gap Year)**
Position: Research Intern
Supervisors: Prof. *Ge Lin Kan*, Prof. *Lik-Hang Lee*, *Xiang Li* (PhD at the University of Cambridge)
Paper Contribution: [C.7, C.8, C.9, C.10]

Exertion Games Lab, Monash University, Australia   **2020 – 2022**
Position: Student Research Assistant
Supervisors: Prof. *Florian Floyd Mueller*, *Rakesh Patibanda* (PhD at Monash University)
Paper Contribution: [C.4, C.5, J.2, J.3]

X-CHI Lab, Xi'an Jiaotong-Liverpool University, China   **2019 – 2023**
Position: Student Research Assistant
Supervisors: Prof. *Hai-Ning Liang*, Dr. *Wenge Xu* (now at Birmingham City University)
Paper Contribution: [C.1, C.2, J.1, C.3, C.6]

PUBLICATION

C: Conference; J: Journal; *Google Scholar*: h-index: **7**, citations: **191**.
Note: ACM CHI, CHI PLAY, ISS, SUI, IEEE VR and IEEE ISMAR are top-tier venues in the field of HCI and VR/AR.

[C.10] W He, X Li, S Xu, **Y Chen**, CI Sio, GL Kan, LH Lee. "MetaDragonBoat: Exploring Paddling Techniques of Virtual Dragon Boating in a Metaverse Campus" **ACM MM 2024**

[C.9] Z Wei, **Y Chen**, W Tong, X Zong, H Qu, X Xu, LH Lee. "Hearing the Moment with MetaEcho! From Physical to Virtual in Synchronized Sound Recording" **ACM MM 2024**

[C.8] X Li, **Y Chen**, X Tang. "GesMessages: Using Mid-air Gestures to Manage Notifications" **ACM SUI 2023 Posters**

[C.7] W He, **Y Chen**, S Xu, C Ding, LH Lee, GL Kan. "Dragon Boat Simulation: An Immersive Experience Beyond Traditional Gaming" **ACM SUI 2023 Posters**

[J.3] R Patibanda, A Saini, N Overdevest, M F. Montoya, X Li, **Y Chen**, S Nisal, J Andres, J Knibbe, E van den Hoven, FF Mueller. "Fused Spectatorship: Designing Active Bodily Spectating Experiences" **ACM PACMHCI: CHI PLAY 2023**

[J.2] R Patibanda, CN Hill, A Saini, X Li, **Y Chen**, A Matviienko, J Knibbe, E van den Hoven, FF Mueller. "Auto-Paízo Games: Towards Understanding the Design of Games that Aim to Unify a Player's Physical Body and the Virtual World" **ACM PACMHCI: CHI PLAY 2023** **Best Interactivity Audience Award** 🥇

[C.6] X Li, **Y Chen**, X Tang. "GesPlayer: Using Augmented Gestures to Empower Video Players" **ACM ISS 2022 Posters**

[C.5] X Li, **Y Chen**, R Patibanda, FF Mueller. "vrCAPTCHA: Exploring CAPTCHA Designs in Virtual Reality" **ACM CHI 2021 Interactivity**

[C.4] R Patibanda, X Li, **Y Chen**, A Saini, CN Hill, E van den Hoven, FF Mueller. "Actuating Myself: Designing Hand-Games Incorporating Electrical Muscle Stimulation" **CHI PLAY 2021 Work-in-Progress**

[C.3] X Lu, D Yu, H-N Liang, W Xu, **Y Chen**, X Li, K Hasan. "Exploration of Hands-free Text Entry Techniques for Virtual Reality" **IEEE ISMAR 2020**

[J.1] W Xu, H-N Liang, Q He, X Li, K Yu, **Y Chen**. "Results and Guidelines From a Repeated-Measures Design Experiment Comparing Standing and Seated Full-Body Gesture-Based Immersive Virtual Reality Exergames: Within-Subjects Evaluation" **JMIR Serious Games**

[C.2] W Xu, H-N Liang, **Y Chen**, X Li, K Yu. "Exploring Visual Techniques for Boundary Awareness During Interaction in Augmented Reality Head-Mounted Displays." **IEEE VR 2020** **Best Paper Nomination** 🥇

[C.1] X Li, **Y Chen**. "Auto-Hierarchical Data Algorithm: Focus on Increasing Users' Motivation and Duration in Virtual Reality" **IEEE ICBDA 2020**

SKILLS

Programming Languages: Python, C/C++, C#, Java, JavaScript
Tools and Frameworks: LaTeX, Arduino, Unity, Processing

REFERENCES

Hans Gellersen, Professor at Lancaster University
E-mail: h.gellersen@lancaster.ac.uk

Florian 'Floyd' Mueller, SIGCHI Academy, Professor at Monash University
E-mail: floyd@floydmueller.com

Hai-Ning Liang, Professor at Xi'an Jiaotong-Liverpool University
E-mail: haining.liang@xjtlu.edu.cn

Wenge Xu, Lecturer at Birmingham City University
E-mail: wenge.xu@bcu.ac.uk

Xiang Li, PhD Fellow at the University of Cambridge
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