

# Kangyou (Calvin) Yu

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## Research Interest

Human-Computer Interaction (HCI), AR/VR/MR, Adaptive User Interfaces, Computational Interaction, Body Interaction, Multi-modality input technologies...

## Education

2022-now **University of California, Santa Barbara (UCSB)**, Santa Barbara, USA  
Master of Science in Computer Science

2018-2022 **Xi'an Jiaotong-Liverpool University (XJTLU)**, Suzhou, China  
**University of Liverpool (UoL)**, Liverpool, United Kingdom  
B.Sc. in Information and Computing Science (With Honors)

## Publications

### CONFERENCE PAPERS

- [ C.6 ] You-Jin Kim, Kangyou Yu, Radha Kuruma, Misha Sra, Tobias Höllerer. (In submission to **IEEE VR 2024**)
- [ C.5 ] Abby Wysopal, Vivian Ross, Joyce Passananti, Kangyou Yu, Brandon Huynh, Tobias Höllerer. *"Level-of-Detail AR: Dynamically Adjusting Augmented Reality Level of Detail Based on Visual Angle."* **IEEE VR 2023**
- [ C.4 ] Anil Ufuk Batmaz, Kangyou Yu, Hai-Ning Liang, Wolfgang Stuerzlinger. *"Improving Effective Throughput Performance using Auditory Feedback in Virtual Reality."* **ACM SUI 2022**
- [ C.3 ] Wenge Xu, Xuanru Meng, Kangyou Yu, Hai-Ning Liang, Sayan Sarcar. *"Evaluation of Text Selection Techniques in Virtual Reality Head-Mounted Displays."* **IEEE ISMAR 2022**
- [ C.2 ] Wenge Xu, Hai-Ning Liang, Kangyou Yu, Nilufar Baghaei. *"Effect of Gameplay Uncertainty, Display Type, and Age on Virtual Reality Exergames."* **CHI 2021**
- [ C.1 ] Wenge Xu, Hai-Ning Liang, Yuzheng Chen, Xiang Li, Kangyou Yu. *"Exploring Visual Techniques for Boundary Awareness During Interaction in Augmented Reality Head-Mounted Displays."* **IEEE VR 2020, Best Paper Nomination (5%)**

## JOURNAL ARTICLES

- [ J.5 ] Wenge Xu, **Kangyou Yu**, Xuanru Meng, Diego Vilela Monteiro, Dominic Kao, Hai-Ning Liang. *"Exploring the effect of the Group Size and Feedback of non-player character spectators in virtual reality exergames."* **Frontiers in Psychology (Human-Media Interaction section)**
- [ J.4 ] **Kangyou Yu**, Shaoyue Wen, Wenge Xu, Maurizio Caon, Nilufar Baghaei, Hai-Ning Liang. *"Cheer for Me: Effect of Non-Player Character Audience Feedback on Older Adult Users of Virtual Reality Exergames."* **Springer Virtual Reality (VIRE) 2023**
- [ J.3 ] Wenge Xu, Hai-Ning Liang, **Kangyou Yu**, Shaoyue Wen, Nilufar Baghaeil, Huawei Tu. *"Acceptance of Virtual Reality Exergame Among Chinese Older Adults."* **International Journal of Human-Computer Interaction 2021**
- [ J.2 ] Wenge Xu, Hai-Ning Liang, Nilufar Baghaei, Xiaoyue Ma, **Kangyou Yu** Xuanru Meng, Shaoyue Wen. *"Effects of an Immersive Virtual Reality Exergame on University Students' Anxiety, Depression, and Perceived Stress: Pilot Feasibility and Usability Study."* **JMIR Serious Game 2021**
- [ J.1 ] Wenge Xu, Hai-Ning Liang, Qiuyu He, Xiang Li, **Kangyou Yu**, Yuzheng 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 Game 2020**

## Research Experience

- 10/2022- present **University of California, Santa Barbara (UCSB)**, Santa Barbara, CA  
Graduate Research Assistant  
**FourEyesLab**, Advisor: [Tobias Höllerer](#)
- 06/2022- 10/2022 **The Hong Kong University of Science and Technology (Guangzhou)**, Guangzhou, China  
Undergraduate Research Intern  
**APEX Lab**, Advisor: [Mingming Fan](#)
- 04/2021- 10/2022 **Simon Fraser University (SFU)**, Vancouver, Canada  
Undergraduate Research Intern  
**VVISE Lab**, Advisor: [Wolfgang Stuerzlinger](#) and [Anil Ufuk Batmaz](#)
- 04/2019- 07/2022 **Xi'an Jiaotong-Liverpool University (XJTLU)**, Suzhou, China  
Undergraduate Research Assistant  
**X-CHI Lab**, Advisor: [Hai-Ning Liang](#) and [Wenge Xu](#)

## Awards and Honors

- 2023 SIGCHI Gray Marsden Travel Award (\$2000)  
2022 Academic Excellence Fellowship from UCSB (\$2000)  
2021 ACM UIST 2021 Registration Scholarship

2020 Research Assistant Fellowship at XJTLU (\$1,400)  
2020 IEEE VR & 3DUI 2020 Best Conference Paper Nominee (5%)  
2019 Summer Undergraduate Research Fellowship (SURF) at XJTLU

## Teaching Experience

09/2023- Teaching Assistant-CMPSC 9 Intermediate Python  
12/2023  
04/2023- Teaching Assistant-CMPSC 9 Intermediate Python  
06/2023

## Professional Services

**Reviewer:** ACM CHI 2023, IJHCI 2023

**Student Volunteer:** IEEE ISMAR 2023, ACM CHI 2023, IEEE VR 2023, ACM SUI 2022, IEEE ISMAR 2021, ACM IUI 2021, IEEE AIVR 2020