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. **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