

JIAYE LENG

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EDUCATION

City University of Hong Kong

Sept 2023 - Current

- [Ph.D. in Creative Media](#)
- Advisor: Prof. Hongbo Fu
- Research Interest: Augmented Reality, Computer Graphics

Beihang University

Sept 2020 - Jan 2023

- [M.Eng. in Computer Technology](#)
- Advisor: Prof. Lili Wang
- Outstanding Master Thesis Award

China University of Mining and Technology

Sept 2016 - Jun 2020

- [B.Eng. in Electronic Information Science and Technology](#)
- Admitted to Beihang University with the grad school entrance exam waived

PUBLICATIONS

- [CHI '24] Hui Ye*, **Jiaye Leng*** (joint first author), Pengfei Xu, Karan Singh and Hongbo Fu. *ProInterAR: A Visual Programming Platform for Creating Immersive AR Interactions*. In Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems
- [IJHCI '23] Aoxin Sun, Lili Wang, **Jiaye Leng** and Sio Kei Im. *Light-Occlusion Text Entry in Mixed Reality*. In International Journal of Human-Computer Interaction
- [CHI '23] Hui Ye, **Jiaye Leng**, Chufeng Xiao, Lili Wang and Hongbo Fu. *ProObjAR: Prototyping Spatially-aware Interactions of Smart Objects with AR-HMD*. In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems
- [TVCG '22] **Jiaye Leng**, Lili Wang, Xiaolong Liu, Xuehuai Shi, and Miao Wang. *Efficient Flower Text Entry in Virtual Reality*. In IEEE Transactions on Visualization and Computer Graphics: Special issue for 2022 IEEE International Symposium on Mixed and Augmented Reality
- [VR '21] Lili Wang, Hao Wang, Danqing Dai, **Jiaye Leng** and Xiaoguang Han. *Bidirectional Shadow Rendering for Interactive Mixed 360° Videos*. In 2021 IEEE Virtual Reality and 3D User Interfaces

ACADEMIC EXPERIENCE

Research Associate, City University of Hong Kong

Jun 2023 - Aug 2023

Advisor: Hongbo Fu

Topic: Spatial Interaction in Augmented Reality

SKILLS & SERVICE

Programming	C/C++, C#, Python, Pytorch, Unity 3D, OpenGL, L ^A T _E X
Hardware	HTC Vive Headsets, Microsoft HoloLens, Azure Kinect, ZED
Paper Review	VR '21, ISMAR '21 '22, CHI LBW '23 '24

SELECTED HONORS & AWARDS

Postgraduate Studentship, CityU	2023 - 2027
Outstanding Master Thesis Award, Beihang University	2023
The second prize scholarship, Beihang University	2020
2018 The ACM-ICPC Asian Regional Contest, Jiaozuo Site, Gold Medal	2018
2018 The ACM-ICPC Asian-East Continent Final, Xi'an Site, Bronze Medal	2018
The first prize scholarship, China University of Mining and Technology	2017, 2018, 2019