

Xian Xu

✉ xian.xu@connect.ust.hk | 🏠 <https://xxuxian.github.io/> | 📍 Big Data Institute, HKUST, HK

Basic Information

Gender: Female Birthday: 1994-5 Writer, Interdisciplinary Computational Media and Arts Researcher
Research interest: Data-driven Storytelling, Cinematic Arts, Arts Education in VR and the Metaverse, and Human-Computer Interaction. I am devoted to enhancing data-driven storytelling and arts education by extending not only the disciplinary depth but also the interdisciplinary breadth.

Education Background and Research Experience

Cambridge University, Research Visiting Fellow Cambridge Digital Humanities, School of Arts and Humanities, Supervised by Prof. Caroline Bassett	<i>Cambridge, UK</i> Apr. 2023 - Jun. 2023
Oxford University, Research Visiting Fellow Oxford e-Research Center, Department of Engineering Science, Supervised by Prof. Min Chen	<i>Oxford, UK</i> Jan. 2023 - Mar. 2023
Peking University Visualization Summer School, hosted by Prof. Xiaoru Yuan	<i>Beijing, China</i> Jul. 2022
The Hong Kong University of Science and Technology PhD in Computational Media and Arts, Supervised by Prof. Huamin Qu	<i>Hong Kong, China</i> Aug. 2020 - Aug. 2023
The Central Academy of Drama MFA in Drama and Film Studies, GPA (3.92/4.0) Ranking (1/25)	<i>Beijing, China</i> Sep. 2017 - Jul. 2020
The Central Academy of Drama BA in Directing (Film and TV Producing), GPA (3.88/4.0) Ranking (1/40)	<i>Beijing, China</i> Sep. 2013 - Jul. 2017

Publications

- [1] **Xian Xu**, Aoyu Wu, Leni Yang, Zheng Wei, Rong Huang, David Yip, Huamin Qu. "Is It the End? Guidelines for Cinematic Endings in Data Videos" *ACM CHI 2023*. <https://dl.acm.org/doi/10.1145/3544548.3580701>
- [2] **Xian Xu**, Leni Yang, David Yip, Mingming Fan, Zheng Wei, Huamin Qu. "From 'Wow' to 'Why': Guidelines for Creating the Opening of a Data Video with Cinematic Styles" *ACM CHI 2022*. <https://doi.org/10.1145/3491102.3501896>
- [3] **Xian Xu**, Wai Tong, Zheng Wei, Meng Xia, Lik-Hang Lee, Huamin Qu. "Cinematography in the Metaverse: Exploring the Lighting Education on a Soundstage" *IEEE VR Poster 2023*. [10.1109/VRW58643.2023.00128](https://doi.org/10.1109/VRW58643.2023.00128)
- [4] Leni Yang, **Xian Xu**, Xingyu Lan, Ziyang Liu, Shunan Guo, Yang Shi, Huamin Qu, Nan Cao. "A Design Space for Applying the Freytag's Pyramid Structure to Data Stories" *IEEE VIS 2021 (TVCG)*. [10.1109/TVCG.2021.3114774](https://doi.org/10.1109/TVCG.2021.3114774)
- [5] Leni Yang, Aoyu Wu, Wai Tong, **Xian Xu**, Zheng Wei, Huamin Qu. "Understanding 3D data Videos: From Screens to Virtual Reality" *IEEE PacificVis 2023*. [10.1109/PacificVis56936.2023.00029](https://doi.org/10.1109/PacificVis56936.2023.00029)
- [6] Zheng Wei, **Xian Xu**, Lik-Hang Lee, Wai Tong, Huamin Qu, Pan Hui. "Feeling Present! From Physical to Virtual Cinematography Lighting Education with Metashadow" *ACM MM 2023 (To appear)*.
- [7] **Xian Xu**, David Yip, Huamin Qu. "The Golden Ratio in Narrative Structure: Visualizing the Rising-Climax in Data Videos" *VIS 2023 Posters (To appear)*.
- [8] Zheng Wei, Shan Jin, **Xian Xu**, Wai Tong, Huamin Qu, Pan Hui. "Visualizing Film Set Communication: An Interactive Interface for Collaboration in Virtual LED Production" *ISMAR 2023 (Under Review)*.
- [9] **Xian Xu**, Wai Tong, Zheng Wei, Meng Xia, Lik-Hang Lee, Huamin Qu. "Transforming Cinematography Lighting Education: The Impact of Virtual Soundstages" *Virtual Reality Journal (Under Review)*.
- [10] **Xian Xu**, Zelin Ye, Yuanzhe Jin, Leni Yang, Huamin Qu, Min Chen. "The Design Space of Short Technical Storytelling Videos: Through the Lens of Preview Videos in VIS Conferences" *(Under Review)*.

Awards and Honors

Jan. 2023	Scholarship: “HKUST Overseas Research Award”	Hong Kong, China
Aug. 2020-2023	Scholarship: “Postgraduate Scholarship of HKUST”	Hong Kong, China
Jul. 2020	Honorary Title: “Excellent Postgraduate of Beijing”	Beijing, China
Dec.2019	Scholarship: “National Scholarship for PG Students”	Beijing, China
Dec.2017	Scholarship: “National Scholarship”	Beijing, China
Jul. 2017	Honorary Title: “Excellent Undergraduate of Beijing”	Beijing, China
Dec.2016	Scholarship: “National Scholarship”	Beijing, China
Jul.2016	Scholarship: “First-class Academic Award from CAD”	Beijing, China
Dec.2015	Scholarship: “National Scholarship”	Beijing, China
Jul.2015	Scholarship: “First-class Academic Award from CAD”	Beijing, China
Dec.2014	Scholarship: “National Scholarship”	Beijing, China
Jul.2014	Scholarship: “First-class Academic Award from CAD”	Beijing, China

Teaching Experience

IDPO 2020 Cross-disciplinary Design Thinking, HKUST Assist for Prof. Rong Zhang and Prof. Jinni Zhou	Teaching Assistant Feb. 2022 - Jun. 2022
CMAA 5008 Visual Communication, HKUST Assist for Prof. David Yip	Teaching Assistant Sep. 2021 - Jan. 2022
The Central Academy of Drama Peking Opera, Dance Drama, Opera, and Film & TV Departments	Counselor Sep. 2018 - Jul. 2020
Middle and Primary Schools in Beijing, China Drama and Film Arts Education	Drama Instructor Sep. 2017 - Jul. 2018

Work Experience and Creations

Data Visualization X Cinematic Arts Four Cinematic Data Video Endings with Punctuation Marks	Writer and Designer created in Sep. 2022
Arts Education & Technology Startup Art Mirror Network Technology Co.	Co-Founder founded in Jan. 2019
Our Glamorous Time TV Play of Zhejiang TV and Dragon TV in China	Screenwriter Broadcasted in Dec. 2018
I Like to be Independent Bestseller in China	Writer Published in May 2017
Silent Love Film of CCTV6	Screenwriter Created in 2016
Mind Reader Suspense-themed Microfilm	Screenwriter and Director Created in 2015
Hurt Youth Campus-themed Microfilm	Screenwriter and Director Created in 2014
AB Sides Youth Campus-themed Microfilm	Screenwriter and Director Created in 2014

Personal Skills

Languages	English (Fluent), Cantonese (Native), Mandarin (Native)
Personality	Optimistic, curious about new things, hardworking, and easygoing
Specialty	Project management and teamwork