

Leni YANG

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EXPERIENCE

The Hong Kong University of Science and Technology, VisLab PostDoc Researcher, Supervised by Prof. Huamin Qu	2022/11–Now Hong Kong, China
The Hong Kong University of Science and Technology, VisLab PhD in Computer Science and Engineering, Supervised by Prof. Huamin Qu	2018/09–2022/09 Hong Kong, China
Tongji University, iDVX Lab Research Visiting Student, Supervised by Prof. Nan Cao	2020/12–2021/04 Shanghai, China
University of Electronic Science and Technology of China B.S. in Management Information System	2014/09–2018/06 Chengdu, China

PUBLICATIONS

- **From Reader to Experienter: Design and Evaluation of an Interactive VR Story for Promoting the Situation Awareness of Public Health Threats**
Qian Zhu, Linping Yuan, Zian Xu, **Leni Yang**, Meng Xia, Zhuo Wang, Hai-Ning Liang, Xiaojuan Ma.
International Journal of Human-Computer Studies, doi: <https://doi.org/10.1016/j.ijhcs.2023.103137>
- **Landslide Visualization Situated on Tangible Terrain Models**
Haobo Li, Kentaro Takahira, Kam Kwai Wong, **Leni Yang**, Wai Tong, Huamin Qu
will appear at IEEE VIS 2023 Posters
- **InkSight: Leveraging Sketch Interaction for Documenting Chart Findings in Computational Notebooks**
Yanna Lin, Haotian Li, Aoyu Wu, **Leni Yang**, Huamin Qu
will appear at IEEE VIS 2023
- **Why Change My Design: Explaining Poorly Constructed Visualization Designs with Explorable Explanations**
Leo Yu-Ho Lo, Yi-Fan Cao, **Leni Yang**, Huamin Qu
will appear at IEEE VIS 2023
- **Is It the End? Guidelines for Cinematic Endings in Data Videos**
Xian Xu, Aoyu Wu, **Leni Yang**, Zheng Wei, Rong Huang, David Yip, Huamin Qu
In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, doi: <https://doi.org/10.1145/3544548.3580701>, 2023
- **Understanding 3D Data Videos: From Screens to Virtual Reality**
Leni Yang, Aoyu Wu, Wai Tong, Xian Xu, Zheng Wei, Huamin Qu
In Proceedings of the IEEE Pacific Visualization Symposium, doi: 10.1109/PacificVis56936.2023.00029, 2023
- **From Wow to Why: Guidelines for Creating the Opening of a Data Video with Cinematic Styles**
Xian Xu, **Leni Yang**, David Yip, Mingming Fan, Zheng Wei, Huamin Qu
In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, doi: <https://doi.org/10.1145/3491102.3501896>, 2022
- **Explaining with Examples: Lessons Learned from Crowdsourced Introductory Description of Information Visualizations**
Leni Yang, Cindy Xiong, Jason K. Wong, Aoyu Wu, Huamin Qu
IEEE Transactions on Visualization and Computer Graphics, doi: 10.1109/TVCG.2021.3128157, 2021.
- **A Design Space for Applying the Freytag's Pyramid Structure to Data Stories**
Leni Yang, Xian Xu, XingYu Lan, Ziyang Liu, Shunan Guo, Yang Shi, Huamin Qu, Nan Cao
IEEE Transactions on Visualization and Computer Graphics (IEEE VIS 2021), doi: 10.1109/TVCG.2021.3114774, 2021.

- > **Clouddet: Interactive Visual Analysis of Anomalous Performances in Cloud Computing Systems**
Ke Xu, Yun Wang, **Leni Yang**, Yifang Wang, Bo Qiao, Si Qin, Yong Xu, Haidong Zhang, Huamin Qu
IEEE Transactions on Visualization and Computer Graphics (IEEE VIS 2019), doi: 10.1109/TVCG.2019.2934, 2019.

HONORS & AWARDS

- > Innovation and Technology Fund (ITF) Research Talend Hub for Postdoctoral Fellowship 2022
- > Research Travel Grant 2022, 2023
- > Research & Development Award, 19th Asia Pacific Information and Communications Technology Alliance (APICTA) Awards 2019
- > Gold Award, Student Innovation, Hong Kong ICT Awards (HKICT) 2019
- > Outstanding Graduates of Sichuan Province 2018
- > Outstanding Graduates of University of Electronic Science and Technology of China 2018
- > China National Scholarship 2015, 2016, 2017

R&D PROJECTS

- > **AI-Powered, Personalized Analysis and Feedback Platform for K-12 Education in Computational Thinking Skills** 2023-Now
This project proposes a visual analytics system; innovates an automated reporting system; and invents a personalized learning path recommendation system.
- > **Centre for Slope Safety** 2022-Now
In this project, our team contributes an AR game for the general public to understand the landslide prevention methods.
- > **Pulse of HKUST** 2019-2023
This project develops a data visualization platform to palpate the “pulse” of the campus community, such as human crowds, facility availability, and events, through the combined power of data visualization, big data, and AI.

SERVICES

Participate in Grant Proposal Writing

- > Technology Development of Digital Twin for Regional Earth System of the GBA (87 Million HKD) 2023

Student Mentorship

- > Xian Xu, PhD Students from VisLab 2021-2023
- > Yanna Lin, PhD Students from VisLab 2023
- > Fengjie Wang, Visiting Student from Sichuan University 2023

Paper Review

- > The Conference on Information and Knowledge Management (CIKM) 2023
- > ACM Conference on Computer-Supported Cooperative Work & Social Computing (CSCW) 2023
- > ACM CHI Conference on Human Factors in Computing Systems (ACM CHI) 2022, 2023
- > China Visualization and Visual Analytics Conference (ChinaVis) 2020, 2023

Teaching Assistance

- > Computer Organization Spring 2022
- > Introduction to Computer Science Fall 2019
- > Introduction to Computing with Excel VBA Spring 2019