

# Dr. Meng XIA

## Basic Information

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Gender: female    Birthday: 1993-5    Email: [iris.xia@connect.ust.hk](mailto:iris.xia@connect.ust.hk)    Homepage: [xiameng.org](http://xiameng.org)  
Research interest: Data Visualization, Human Computer Interaction, and Education. Using visual analytics and emerging AI techniques to improve education.

## Education Background and Research Experience

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<b>2021.1-present</b>	KAIST, Postdoctoral researcher, School of Computing
<b>2020.9-2021.3</b>	Hong Kong University of Science and Technology, Postdoctoral fellow of CSE
<b>2017.8-2020.8</b>	Hong Kong University of Science and Technology, PhD of CSE
<b>2019.6-2019.10</b>	University of Toronto, Visiting student of CSE
<b>2014.9-2017.3</b>	Zhejiang University, State Key Laboratory of CAD&CG, Master of CSE
<b>2009.9-2013.7</b>	Hangzhou Dianzi University, Bachelor of Literature in English (second degree)
<b>2009.9-2013.7</b>	Hangzhou Dianzi University, Bachelor of CSE

## Publications

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**Investigating the Effects of Robot Engagement Communication on Learning from Demonstration**  
Mingfei Sun, Zhenhui Peng, **Meng Xia**, Xiaojuan Ma, International Journal of Social Robotics 2021

**QLens: Visual Analytics of Multi-step Problem-solving Behaviors for Improving Question Design**  
**Meng Xia**, Reshika Palaniyappan Velumani, Yong Wang, Huamin Qu, Xiaojuan Ma, VIS 2020 (TVCG)

**Using Information Visualization to Promote Students' Reflection on "Gaming the system" in Online Learning**  
**Meng Xia**, Yuya Asano, Joseph Jay Williams, Huamin Qu, Xiaojuan Ma, L@S 2020

**SeqDynamics: Visual Analytics for Evaluating Online Problem-solving Dynamics**  
**Meng Xia**, Min Xu, Chuan-en Lin, Ta-ying Cheng, Huamin Qu, Xiaojuan Ma, EuroVIS 2020

**Visual Analytics of Student Learning Behaviors on K-12 Mathematics E-learning Platforms**  
**Meng Xia**, Huan Wei, Min Xu, Leo Yu Ho Lo, Yong Wang, Rong Zhang, Huamin Qu, IEEE VIS 2019 Posters, Best Poster Award

**PeerLens: Peer-inspired Interactive Learning Path Planning in Online Question Pool**  
**Meng Xia**, Mingfei Sun, Huan Wei, Qing Chen, Yong Wang, Lei Shi, Huamin Qu, Xiaojuan Ma, in Proc. of ACM SIGCHI 2019

**Generation of Thangka Relief from Line Drawings**  
**Meng Xia**, Rong Zhang, Ren Peng, Jinhui Yu, SCIENTIA SINICA Informationis 2018

**EnsembleLens: Ensemble-based Visual Exploration of Anomaly Detection Algorithms with Multidimensional Data**  
Ke Xu, **Meng Xia**, Xing Mu, Yun Wang, Nan Cao, TVCG 2018

**Exploring How Software Developers Work with Mention Bot in GitHub**  
Zhenhui Peng, Jeehoon Yoo, **Meng Xia**, Sunghun Kim, Xiaojuan Ma, in Proc. of Chinese CHI 2018

**Estimating Emotional Intensity from Body Poses for Human-Robot Interaction**  
Mingfei Sun, Yiqing Mou, Hongwen Xie, **Meng Xia**, Michelle Wong, Xiaojuan Ma, in Proc. of IEEE SMC 2018

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### **Deep Spherical Panoramic Representation for 3D Shape Recognition**

Yuanli Feng, **Meng Xia**, Penglei Ji, Xiao Zhou, Ming Zeng, Xinguo Liu, Computer-Aided Design & Computer Graphics 2017

### **Designing Kinect Game based on Video Tracking**

Yinglie Zhang, **Meng Xia**, Linqiang Chen, Computer Engineering and Applications 2015

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## **Scholarships and Prizes**

### **HKUST**

RGC Postdoctoral Fellowship (PDFS) 2021 (only 50 awardees each year in HK)

SENG TOP RPg Award, 2018-2019

Best Poster Award in VIS, 2019

Overseas Research Award, 2018-2019

### **Zhejiang University**

National Scholarship, 2015

Chairman of Postgraduate Association of Computer Science Department, 2014-2015

Outstanding graduate student, 2014-2015

Outstanding graduate student cadres, 2014-2015

### **Hangzhou Dianzi University**

National Scholarship, 2011

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## **Teaching Experience**

Teaching Assistant Coordinator at HKUST, Spring 2020

Teaching Assistant at HKUST for COMP 2611 Computer Organization, Spring 2018

Teaching Assistant at HKUST for COMP 2611 Computer Organization, Fall 2018

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## **Community Service**

Program Committee member for IEEE VIS 2021

Reviewer of CHI 2019, 2020, 2021

Reviewer of VIS 2020, 2021

Reviewer of ChinaVis 2019, 2020, 2021

Reviewer of CSCW 2021

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## **Personal skills**

**English** IELTS 7.0

**Programming** JavaScript, Python, C/C++, C#, PHP, NoSQL (MongoDB)

**Personality** Optimistic, curious about new things, and hardworking

**Specialty** Project management and teamwork

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