

# 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>2022.1-present</b>	Carnegie Mellon University, Human Computer Interaction Institute, Postdoc
<b>2021.1-2021.12</b>	KAIST, Postdoctoral researcher, School of Computing, Postdoc
<b>2020.9-2021.3</b>	Hong Kong University of Science and Technology, CSE, Postdoc
<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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### Understanding Distributed Tutorship in Online Language Tutoring

Meng Xia, Yankun Zhao, Mehmet Hamza Erol, Jihyeong Hong, Juho Kim, LAK 2022

### 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 2021)

### 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

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### **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

### **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**

AC for LBW CHI 2022

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, 2022

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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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