

Basic Information

Gender: female Birthday: 1993-5 Email: iris.xia@connect.ust.hk Homepage: xiameng.org
Research interest: understanding human learning with educational data mining, visual analytics, and machine learning technologies to improve students' learning and instructors' teaching

Education Background

2021.4-2021.3	Korea Advanced Institute of Science and Technology, Postdoctoral fellow
2020.9-2021.3	Hong Kong University of Science and Technology, Postdoctoral fellow
2017.8-2020.8	Hong Kong University of Science and Technology, PhD of CSE
2019.6-2019.10	University of Toronto, visiting student of CSE
2014.9-2017.3	Zhejiang University, State Key Laboratory of CAD&CG, Master of CSE
2009.9-2013.7	Hangzhou Dianzi University, Bachelor of CSE
2010.9-2013.7	Hangzhou Dianzi University, Bachelor of Literature in English (second degree)

Publications

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

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

Scholarships and Prizes

HKUST

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

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

Personal skills

English IELTS 7.0

Programming skills C/C++, Python, JavaScript, C#, PHP, SQL

Personality Positive and hardworking

Specialty Project management and teamwork
