ZHUTIAN CHEN · CURRICULUM VITAE

☑ zhutian.chen@connect.ust.hk • ♀ chenzhutian.org • Last Updated Jan. 19th, 2020

RESEARCH INTERESTS

Data Visualization, Human-Computer Interaction, Augmented Reality, Machine Learning.

To help people leverage the best of both physical and digital worlds, I develop techniques and tools to facilitate the creation of information visualizations in and for AR environments, by combining methods from data visualization, machine learning, and human-computer interaction.

EDUCATION	
09/2015 - Present	Hong Kong University of Science & Technology, Kowloon, Hong Kong Ph.D. Candidate in Computer Science & Engineering Advisor: Huamin Qu Awarded Hong Kong Ph.D. Fellowship
09/2011 - 07/2015	South China University of Technology, Guangzhou, China B.S. in Software Engineering Advisor: Yi Cai Awarded Pacemaker to Merit Student, the Highest Honor (top 0.1%)
POSITIONS	
09/2015 - Present	Hong Kong University of Science & Technology, Kowloon, Hong Kong Graduate Researcher - VISLab Advisor: Huamin Qu

09/2019 - 12/2019 The University of Edinburgh, Edinburgh, UK Research Visiting Student - Design Informatics Advisor: Benjamin Bach ByteDance, Beijing, China 08/2017 - 11/2017 Software Engineering Intern - Big Data Platform Group Advisor: Liang Tang 06/2017 - 08/2017 FIT Future Information Technology, Beijing, China Research Intern - SLAM Group Advisor: Kaidi Zhou State Key Lab of CAD&CG, Hangzhou, China Spring/2015, 2017 Research Assistant - ZJU VIS Advisor: Yingcai Wu 06/2014 - 01/2015

PEER REVIEWED PUBLICATIONS

- 2020 C7 **Zhutian Chen**, Wai Tong, Qianwen Wang, Benjamin Bach, and Huamin Qu. "Augmenting Static Visualizations with PapARVis Designer." *ACM Conference on Human Factors in Computing Systems (CHI'20)*.
- 2019 C5, J5 **Zhutian Chen**, Yun Wang, Qianwen Wang, Yong Wang, and Huamin Qu. "Towards Automated Infographic Design: Deep Learning-based Auto-Extraction of Extensible Timeline." *IEEE Transactions on Visualization and Computer Graphics (Info-Vis'19)*.
 - C4, J4 **Zhutian Chen**, Wei Zeng, Zhiguang Yang, Lingyun Yu, Chi-Wing Fu, and Huamin Qu. "LassoNet: Deep Lasso-Selection of 3D Point Clouds." *IEEE Transactions on Visualization and Computer Graphics* (SciVis'19).
- 2018 J3 **Zhutian Chen**, Yijia Su, Yifang Wang, Qianwen Wang, Huamin Qu, Yingcai Wu. "MARVisT: Authoring Glyph-based Visualization in Mobile Augmented Reality." *IEEE Transactions on Visualization and Computer Graphics (TVCG)*.
- 2017 J2 **Zhutian Chen**, Yifang Wang, Tianchen Sun, Xiang Gao, Wei Chen, Zhigeng Pan, Huamin Qu, Yingcai Wu. "Exploring the Design Space of Immersive Urban Analytics." *Journal of Visual Informatics (JVI)*.
 - J1 Yingcai Wu, **Zhutian Chen**, Guodao Sun, Xiao Xie, Nan Cao, Shixia Liu, Weiwei Cui. "StreamExplorer: A Multi-Stage System for Visually Exploring Events in Social Streams." *IEEE Transactions on Visualization and Computer Graphics (TVCG)*.
 - W1 **Zhutian Chen**, Huamin Qu, Yingcai Wu. "Immersive Urban Analytics through Exploded Views." *IEEE VIS 2017 Workshop on Immersive Analytics*.
- 2016 C3 Yun Wang, **Zhutian Chen**, Quan Li, Xiaojuan Ma, Qiong Luo, Huamin Qu. "Animated Narrative Visualization for Video Clickstream Data." *ACM SIGGRAPH ASIA Visualization Symposium (SIGGRAPH ASIA)*.
 - C2 Mingqian Zhao, **Zhutian Chen**, Ke Lu, Chaoran Li, Huamin Qu, Xiaojuan Ma. "Blossom: Design of a Tangible Interface for Improving Intergenerational Communication for the Elderly." *ACM Interactive Technology and Ageing Populations (ITAP)*.
 - Yun Wang, Tongshuang Wu, **Zhutian Chen**, Qiong Luo, Huamin Qu. "STAC: Enhancing Stacked Graphs for Time Series Analysis." *IEEE Pacific Visualization Symposium (PacificVis)*.

AWARDS AND HONORS

2019 - 2020 **Overseas Research Award**Hong Kong University of Science & Technology

08/2016 **First Prize of the Design Thinking**China Academy of Art, Hong Kong University of Science & Technology

2015 - 2019	Hong Kong Ph.D. Fellowship (HKPFS) Research Grants Council of Hong Kong
01/2015	Award of Excellence Microsoft Research Asia
2013 - 2014	Pacemaker to Merit Student South China University of Technology, the highest honor (top 0.1%)
2013 - 2014	National Scholarship Ministry of Education of the People's Republic of China
04/2014	Meritorious Winner of Interdisciplinary Contest in Modeling Consortium for Mathematics and Its Applications, USA
2013 - 2014	Tencent Technology Excellence Scholarship Tencent Holdings Limited
2012 - 2013	National Scholarship Ministry of Education of the People's Republic of China
2011 - 2012	National Scholarship for Encouragement Ministry of Education of the People's Republic of China
INVITED TALKS	
	Towards Futuristic Visual StoryTelling: Authoring Data-Driven Infographics in
11/2019 07/2019	Augmented Reality The University of Edinburgh, Edinburgh, UK Zhejiang Lab, Hangzhou, China
10/2019	Towards Automated Infographic Design: Deep Learning-based Auto-Extraction of Extensible Timeline
10/2019	IEEE VIS'19, Vancouver, Canada MARVisT: Authoring Glyph-based Visualization in Mobile Augmented Reality
10/2019	IEEE VIS'19, Vancouver, Canada
10/2019	LassoNet: Deep Lasso-Selection of 3D Point Clouds IEEE VIS'19, Vancouver, Canada
10/2018	StreamExplorer: A Multi-Stage System for Visually Exploring Events in Social Streams IEEE VIS'18, Berlin, Germany
10/2010	Animated Narrative Visualization for Video Clickstream Data
12/2016	Visualization Symposium at ACM SIGGRAPH ASIA'16, Macao, China
TEACHING	
Fall/2018	Teaching Assistant , COMP2711: Discrete Mathematical Tools for Computer Science, HKUST.

Spring/2018	Teaching Assistant, COMP4901f: Data Visualization, HKUST.
SERVICE	
2020	Paper Reviewer, CHI (ACM Conference on Human Factors in Computing Systems)
2019	Paper Reviewer, PacificVis
2019	Paper Reviewer, TOG (ACM Transactions on Graphics)
2019	Paper Reviewer, VRST (ACM Virtual Reality Software and Technology)
2019	Paper Reviewer, ChinaVis
2019	Paper Reviewer, VIS (IEEE Visualization Conference)
2018	Paper Reviewer, VIS (IEEE Visualization Conference)

REFERENCE

Huamin Qu

Professor of Computer Science Hong Kong University of Science & Technology huamin@cse.ust.hk

Benjamin Bach

Lecturer of Design Informatics and Visualization the University of Edinburgh bbach@inf.ed.ac.uk

Yingcai Wu

ZJU100 Young Professor of Computer Science Zhejiang University ycwu@zju.edu.cn