Zhutian Chen | Curriculum Vitae

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RESEARCH INTERESTS

Visualization, Human-Computer Interaction, Machine Learning, Augmented Reality, Data-Driven Storytelling, Creativity Support Tools

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
09/2019 - 12/2019	**The University of Edinburgh**, Edinburgh, UK Research Visiting Student Advisor: Benjiamin Bach Awarded Overseas Research Award
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%)

EMPLOYMENT

09/2015 - PRESENT	**Hong Kong University of Science & Technology**, Kowloon, Hong Kong Graduate Researcher - VISLab Advisor: Huamin Qu
08/2017 - 11/2017	**ByteDance**, Beijing, China 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
SPRING/2015, 2017	**State Key Lab of CAD&CG**, Hangzhou, China Research Assistant - ZJU VIS Advisor: Yingcai Wu
06/2014 - 01/2015	**Microsoft Research Asia**, Beijing, China Research Intern - Internet Graphics Group Advisor: Yingcai Wu

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 PhD 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	

PEER REVIEWED PUBLICATIONS

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 (**InfoVis'19**) — to appear.*
	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**) — to appear.*
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**).*
C1	Yun Wang, Tongshuang Wu, **Zhutian Chen**, Qiong Luo, Huamin Qu. "STAC: Enhancing Stacked Graphs for Time Series Analysis." *IEEE Pacific Visualization Symposium (**PacificVis**).*

INVITED TALKS

07/2019	**Towards Futuristic Visual StoryTelling: Authoring Data-Driven Infographics in Augmented Reality** Zhejiang Lab, Hangzhou, China
10/2018	**StreamExplorer: A Multi-Stage System for Visually Exploring Events in Social Streams** IEEE VIS'18, Berlin, Germany
12/2016	**Animated Narrative Visualization for Video Clickstream Data** 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

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

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