

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: Benjamin 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." <i>IEEE Transactions on Visualization and Computer Graphics (InfoVis'19)</i> – 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." <i>IEEE Transactions on Visualization and Computer Graphics (SciVis'19)</i> – 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." <i>IEEE Transactions on Visualization and Computer Graphics (TVCG)</i> .
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." <i>Journal of Visual Informatics (JVI)</i> .
	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." <i>IEEE Transactions on Visualization and Computer Graphics (TVCG)</i> .
	W1	Zhutian Chen , Huamin Qu, Yingcai Wu. "Immersive Urban Analytics through Exploded Views." <i>IEEE VIS 2017 Workshop on Immersive Analytics</i> .
2016	C3	Yun Wang, Zhutian Chen , Quan Li, Xiaojuan Ma, Qiong Luo, Huamin Qu. "Animated Narrative Visualization for Video Clickstream Data." <i>ACM SIGGRAPH ASIA Visualization Symposium (SIGGRAPH ASIA)</i> .

- 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**, VRST
- 2019 **Paper Reviewer**, ChinaVis
- 2019 **Paper Reviewer**, VIS (IEEE Visualization Conference)
- 2018 **Paper Reviewer**, VIS (IEEE Visualization Conference)

REFERENCE

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