

Shuhan Liu

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EDUCATION

PhD Student, Computer Science, Zhejiang University	2021.9 - Present
<ul style="list-style-type: none">State Key Lab of CAD & CG, Zhejiang UniversityGPA: 93.4 / 100	
B.E., Computer Science, Zhejiang University	2017.9 - 2021.6
<ul style="list-style-type: none">Member of Pursuit Science Class (Computer Science), Chu Kochen Honors College (5%)GPA: 88.9 / 100	

PUBLICATIONS

RelaQ: Relation-driven Query of Multiple Time Series [In Submission]	
<ul style="list-style-type: none">Shuhan Liu, Yuan Tian, Zikun Deng, Weiwei Cui, Haidong Zhang, Di Weng, Yingcai WuLinks: [paper]	
ECoalVis: visual analysis of control strategies in coal-fired power plants [IEEE VIS2022]	
<ul style="list-style-type: none">Shuhan Liu, Di Weng, Yuan Tian, Zikun Deng, Haoran Xu, Xiangyu Zhu, Honglei Yin, Xianyuan Zhan, and Yingcai WuLinks: [paper]	
A survey of urban visual analytics: Advances and future directions [CVM 2023]	
<ul style="list-style-type: none">Zikun Deng, Di Weng, Shuhan Liu, Yuan Tian, Mingliang Xu, Yingcai WuLinks: [paper]	
PlotThread: Creating Expressive Storyline Visualizations using Reinforcement Learning [IEEE VIS2020]	
<ul style="list-style-type: none">Tan Tang, Renzhong Li, Xinke Wu, Shuhan Liu, Johannes Knittel, Steffen Koch, Thomas Ertl, Lingyun Yu, Peiran Ren, and Yingcai WuLinks: [paper]	
A Review on Industrial Data Visual Analytics	
<ul style="list-style-type: none">Shuhan Liu, Di Weng, Yingcai WuLinks: [paper]	

EXPERIENCE

Software Analysis Group, Microsoft Research Asia	2022.7 – 2023.6
<ul style="list-style-type: none">Relation-driven Query of Multiple Time Series. In submission.Human-Machine-Collaborative Root Cause Analysis of Cloud Computing Systems. In submission.	

TEACHING

International Visualization Summer School of ZJU	2022.7
History of Computer Science Thought (Head TA)	2022.2-2022.6

SERVICE

Reviewing	EuroVis, ChinaVis
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TECHNICAL STRENGTHS

Research Interests	Time-oriented data mining, Visualization, Industrial data visual analytics
Languages & Frameworks	Python, JavaScript, TypeScript, C#, Flask, Vue, React, Pytorch, Tensorflow

HONORS

<ul style="list-style-type: none">2023: National Guorui Scholarship;2021: Outstanding Graduates of Zhejiang Province, PhD Freshman Scholarship;2020: Chu Kochen Scholarship (The highest honor of Zhejiang University), Top 10 College Students of Zhejiang University (One of five undergraduate students);	
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SELECTED COURSES

All 4.0/4.0	
<ul style="list-style-type: none">Theory: Visualization for Information, Artificial Intelligence, Data Structure & Algorithm Analysis;Math: Probability and Mathematical Statistics, Discrete Mathematics, Linear Algebra;	

PERSONAL SKILLS

<ul style="list-style-type: none">Good at communication and cooperationQuick learner, excellent quick learning and problem-solving ability	
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