

Kaiyuan Zhang

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EDUCATION

Purdue University

Ph.D. student in Computer Science

West Lafayette, IN

2020 - Present

The University of Texas at Dallas

Master of Science in Computer Science

Dallas, TX

2018 - 2020

Chang'an University

Bachelor of Engineering in Network Engineering

Xi'an, China

2013 - 2017

PUBLICATIONS

- DRGraph: An Efficient Graph Layout Algorithm for Large-scale Graphs by Dimensionality Reduction
Minfeng Zhu, Wei Chen, Yuanzhe Hu, Yuxuan Hou, Liangjun Liu, **Kaiyuan Zhang**.
IEEE Transactions on Visualization and Computer Graphics (TVCG), 2021.
- Enhancing statistical charts: toward better data visualization and analysis
Xiaonan Luo, Yuan Yuan, **Kaiyuan Zhang**, Jiazhi Xia, Zhiguang Zhou, Liang Chang, Tianlong Gu.
Journal of Visualization (JOV), 2019.

RESEARCH EXPERIENCE

University of Illinois at Urbana-Champaign

Visiting Student, Advisor: Prof. Tao Xie, Prof. Tianyin Xu and Prof. Jian Peng

Urbana-Champaign, IL

May 2019 - May 2020

The University of Texas at Dallas

Research Assistant, Advisor: Prof. Wei Yang

Dallas, TX

Dec 2018 - Apr 2019

State Key Laboratory of CAD&CG, Zhejiang University

Research Assistant, Advisor: Prof. Wei Chen

Hangzhou, China

Feb 2017 - Aug 2018

TEACHING EXPERIENCE

Purdue University, West Lafayette, US

CS 47300 Web Search & Information Retrieval

2020 Fall

Zhejiang University, Hangzhou, China

2018 ZJU International Summer School on Visual Analytics

2018 Summer

ACADEMIC SERVICES

- **Sub-reviewer**: International Conference on Computer-Aided Verification (CAV), 2019
- **Student volunteer**: SIGMOD 2020, CCS 2020.

SKILLS

- **Programming**: C/C++, Python, Matlab, R
- **Tools**: Linux shell, Vim, Git, Subversion, Docker, \LaTeX
- **Database**: Neo4j, MySQL, Mango DB
- **Libraries**(data science stack): Numpy, SciPy, Pandas, Scikit-learn, Requests, PyTorch

SELECTED HONORS AND AWARDS

- Excellent Bachelor Thesis Award, **Top ~5% students**, 2017
- National Scholarship, **Top ~0.2% in China**, 2016