

# Jianping (Kelvin) Li

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## EDUCATION

### University of California, Davis

Ph.D. Computer Science, Advised by Kwan-Liu Ma, 2014- Present

B.S. Electrical Engineering and Computer Engineering, 2009

## SKILLS

**Programming:** JavaScript, Python, C/C++, C#, CUDA, R, PHP, Bash

**UI / Visualization / Graphics:** Vue, React, D3, SVG, WebGL, OpenGL

**Data Analysis:** MySQL, MongoDB, Scikit-Learn, Spark, TensorFlow

## WORK EXPERIENCE

### Graduate Researcher, VIDI Lab, University of California, Davis

September 2014 - Present

- Research and develop methods for integrating the intelligences of both people and computers to analyze big data
- Authored and co-authored 11 papers published in major journals and conferences

### Software Engineer, Violin Memory Inc., Santa Clara, CA

April 2013 – June 2014

- Developed management software for monitoring and maintaining PCIe SSD products in data centers
- Created benchmarks for analyzing and improving the performance of data storage systems

### Validation Engineer, Supermicro Inc., San Jose, CA

April 2010 – March 2013

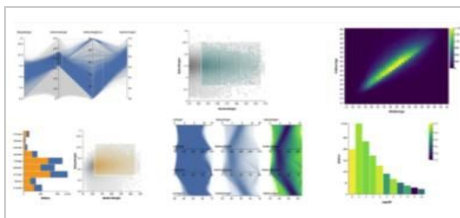
- Developed automation tools for testing data center servers and hardware components

## SELECTED PUBLICATIONS

- **Li, Jianping**, and Kwan-Liu Ma. "P4: Portable Parallel Processing Pipelines for Interactive Information Visualization." *IEEE Transactions on Visualization and Computer Graphics (TVCG)* 2018.
- **Li, Jianping**, et al. "Visual Analytics Techniques for Exploring the Design Space of Large-Scale High-Radix Networks." *IEEE International Conference on Cluster Computing (CLUSTER)*, 2017.
- Takanori Fujiwara, **Jianping Li**, .., and Kwan-Liu Ma.. "A visual analytics system for optimizing the performance of large-scale networks in supercomputing systems." *Visual Informatics*. 2018.
- **Li, Jianping**, Jia-Kai Chou, and Kwan-Liu Ma. "High performance heterogeneous computing for collaborative visual analysis." *ACM SIGGRAPH Asia Visualization in High Performance Computing Symposium*. 2015.

## FEATURED PROJECTS

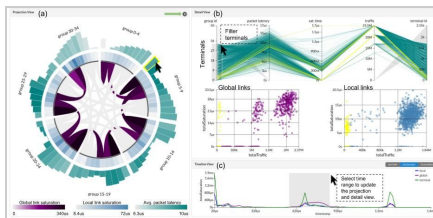
### Big Data Visualization Libraries



<https://jpkli.github.io/p4/>

20X faster than current state of the arts

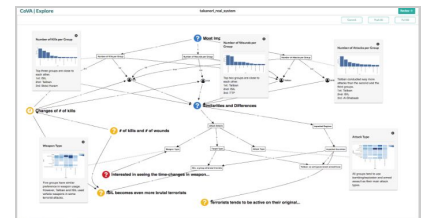
### Performance Analysis Systems



<https://havex.github.io/codes-netvis/>

Improve supercomputer designs

### Collaborative Visual Analytics



<https://covast.github.io/i2g/>

Help data analysts to work together