Po-Ming Law

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RESEARCH INTERESTS

Human Computer Interaction
Visual Analytics

EDUCATION

Georgia Institute of Technology, Atlanta, GA   Aug 2016 – Present
Ph.D in Computer Science
 Advisor: Dr. Rahul Basole

The Hong Kong University of Science and Technology, Hong Kong   Sept 2012 – Sept 2016
B.Eng. in Computer Science and B.B.A. in General Business Management
 Thesis: VisMatchmaker: Cooperation of the User and the Computer in Centralized Matching Adjustment
 Advisor: Dr. Huamin Qu

Northwestern University, Evanston, IL   Fall 2014
 Academic Exchange

RESEARCH EXPERIENCE

Research Assistant, **Georgia Institute of Technology**, Atlanta, GA   Aug 2016 – now
 Develop and evaluate techniques for helping non-experts conduct exploratory data analysis.

Research Intern, **Adobe Research**, Seattle, WA   May 2017 – Aug 2017
 Developed an interactive visualization tool for exploring web clickstream data.

Undergraduate Researcher, **HKUST VisLab**, Hong Kong   Aug 2015 – Apr 2016
 Developed a visual analytics system to enable users and the system to co-create a matching.

PUBLICATIONS

[6] Po-Ming Law, Subhajit Das, and Rahul C. Basole. **Comparing Apples and Oranges: Taxonomy and Design of Pairwise Comparisons within Tabular Data.** *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI 2019).* (Conditionally Accepted)

[5] Po-Ming Law, Rahul C. Basole, and Yanhong Wu. **Duet: Helping Data Analysis Novices Conduct Pairwise Comparisons by Minimal Specification.** *IEEE Transactions on Visualization and Computer Graphics (IEEE VAST 2018).*

[4] Po-Ming Law, Zhicheng Liu, Sana Malik, and Rahul C. Basole. **MAQUI: Interweaving Queries and Pattern Mining for Recursive Event Sequence Exploration.** *IEEE Transactions on Visualization and Computer Graphics (IEEE VAST 2018).*

[3] Po-Ming Law, Yanhong Wu, and Rahul C. Basole. **Segue: Overviewing Evolution Patterns of Egocentric Networks by Interactive Construction of Spatial Layouts.** *IEEE Conference on Visual Analytics Science and Technology (IEEE VAST 2018).*

[2] Po-Ming Law, and Rahul C. Basole. **Designing Breadth-Oriented Data Exploration for Mitigating Cognitive Biases.** *2nd Workshop on Dealing with Cognitive Biases in Visualizations (DECISIVe 2017).*

[1] <u>Po-Ming Law</u>, Wenchao Wu, Yixian Zheng, and Huamin Qu. **VisMatchmaker: Cooperation of the User and the Computer in Centralized Matching Adjustment.** *IEEE Transactions on Visualization and Computer Graphics (IEEE VAST 2016).*

CONFERENCE TALKS

Duet: Helping Data Analysis Novices Conduct Pairwise Comparisons by Minimal Specification.
IEEE VIS 2019, Berlin, Germany (Oct 2019)

MAQUI: Interweaving Queries and Pattern Mining for Recursive Event Sequence Exploration.
IEEE VIS 2019, Berlin, Germany (Oct 2019)

Segue: Overviewing Evolution Patterns of Egocentric Networks by Interactive Construction of Spatial Layouts.
IEEE VIS 2019, Berlin, Germany (Oct 2019)

Designing Breadth-Oriented Data Exploration for Mitigating Cognitive Biases.
IEEE VIS 2018, Phoenix, AZ (Sept 2017)

VisMatchmaker: Cooperation of the User and the Computer in Centralized Matching Adjustment.
IEEE VIS 2017, Baltimore, MD (Oct 2016)

TEACHING EXPERIENCE

CS 7450 - Information Visualization, **Georgia Institute of Technology**, Atlanta, GA   Fall 2018
Held office hours, and graded assignments and projects as a teaching assistant.

ACADEMIC SERVICES

Paper Reviewer
EuroVis 2019
IEEE VAST 2018

Student Volunteer
IEEE VIS 2018
IEEE VIS 2017

AWARDS AND HONORS

Academic Achievement Medal (top 1% of graduates), **HKUST**   2016
Technology and Management Elite Student Scholarship, **HKUST**   2015
Shanghai Commercial Bank Ltd. Scholarship   2014
Fung Scholarship   2014
The Cheng Foundation Scholarship   2013
The Dean's List, **HKUST**   Every Semester at HKUST

SKILLS

Programming: JavaScript, HTML, CSS, D3, Python, R

Software: Adobe Illustrator, Tableau, SPSS