

Po-Ming Law

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USA

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] Po-Ming Law, 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