

Po-Ming “Terrance” Law

Website: terrancelaw.github.io

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RESEARCH AREAS

Human Computer Interaction

Data Visualization

EDUCATION

Georgia Institute of Technology, Atlanta, GA

Aug 2016 – May 2021

Ph.D in Computer Science, Minor in Statistics

Advisors: Alex Endert and John Stasko

Committee: Enrico Bertini, Duen Horng (Polo) Chau, and Jian Zhao

GPA: 4 / 4

The Hong Kong University of Science and Technology, Hong Kong

Sept 2012 – Aug 2016

B.Eng. in Computer Science

B.B.A. in General Business Management

Advisor: Huamin Qu

GPA: 3.93 / 4.3

PROFESSIONAL EXPERIENCE

Research Assistant, Georgia Institute of Technology, Atlanta, GA

Aug 2016 – now

Research Intern, Adobe Research, San Jose, CA

May 2019 – Aug 2019

Mentored by Sana Malik, Fan Du, and Moumita Sinha

Research Intern, Adobe Research, Seattle, WA

May 2017 – Aug 2017

Mentored by Zhicheng Liu and Sana Malik

Undergraduate Researcher, HKUST VisLab, Hong Kong

Aug 2015 – Apr 2016

Mentored by Wenchao Wu, Yixian Zheng, and Huamin Qu

CONFERENCE PAPERS

[9] [Po-Ming Law](#), Leo Yu-Ho Lo, Alex Endert, John Stasko, and Huamin Qu. **Causal Perception in Question-Answering Systems**. *ACM Conference on Human Factors in Computing Systems (CHI 2021)* (Conditionally Accepted).

[8] [Po-Ming Law](#), Alex Endert, and John Stasko. **What are Data Insights to Professional Visualization Users?** *IEEE VIS Short Paper (IEEE VIS 2020)*.

[7] [Po-Ming Law](#), Alex Endert, and John Stasko. **Characterizing Automated Data Insights**. *IEEE VIS Short Paper (IEEE VIS 2020)*.

[6] [Po-Ming Law](#), Sana Malik, Fan Du, and Moumita Sinha. **The Impact of Presentation Style on Human-In-The-Loop Detection of Algorithmic Bias**. *Graphics Interface 2020 (GI 2020)*.

- [5] [Po-Ming Law](#), Subhajit Das, and Rahul C. Basole. **Comparing Apples and Oranges: Taxonomy and Design of Pairwise Comparisons within Tabular Data**. *ACM Conference on Human Factors in Computing Systems (CHI 2019)*.
- [4] [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 VIS 2018)*.
- [3] [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 VIS 2018)*.
- [2] [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 VIS 2018)*.
- [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 VIS 2016)*.

WORKSHOP PAPERS

- [2] [Po-Ming Law](#), Sana Malik, Fan Du, and Moumita Sinha. **Designing Tools for Semi-Automated Detection of Machine Learning Biases: An Interview Study**. *CHI 2020 Workshop on Detection and Design for Cognitive Biases in People and Computing Systems (CoBi 2020)*.
- [1] [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)*.

BOOK CHAPTERS

- [1] [Po-Ming Law](#), and Rahul C. Basole. **Designing Breadth-Oriented Data Exploration for Mitigating Cognitive Biases**. *Chapter 11 in Cognitive Biases in Visualizations, Springer, 2018*.

TEACHING EXPERIENCE

Teaching Assistant, CS 7450 - Information Visualization , Georgia Institute of Technology	Fall 2019
Instructor: John Stasko	
Teaching Assistant, CS 7450 - Information Visualization , Georgia Institute of Technology	Fall 2018
Instructor: John Stasko	

ACADEMIC SERVICES

Program Committee: IEEE VIS Short Papers 2020

Paper Reviewer: CHI 2021 • IEEE VIS 2018 - 2020 • EuroVis 2019 - 2020 • PacificVis 2021 • TVCG 2021

Student Volunteer: IEEE VIS 2017 - 2018

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

SKILLS

Programming: JavaScript • CSS • D3.js • Front-End Web Frameworks (e.g., React) • Python • Git

Design: Visualization design • Web Application Rrchitecture Design • Interface Design • Interaction Design • Adobe Illustrator

Qualitative Research: Human-centered design • Interview • Surveys • Affinity Diagramming • Qualitative Coding • Grounded Theory • Storyboarding • Prototyping

Quantitative Research: Usability Testing • Experiment Design • Statistical Analysis (e.g., ANOVA, MANOVA, regression, PCA, and EFA) • R • SPSS