

Po-Ming “Terrance” Law

Website: terrancelaw.github.io

Email: pmlaw@gatech.edu

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

Georgia Institute of Technology, Atlanta, GA

Aug 2016 – now

Research Assistant

Adobe Research, San Jose, CA

May 2019 – Aug 2019

Research Intern

Mentored by Sana Malik, Fan Du, and Moumita Sinha

Adobe Research, Seattle, WA

May 2017 – Aug 2017

Research Intern

Mentored by Zhicheng Liu and Sana Malik

HKUST VisLab, Hong Kong

Aug 2015 – Apr 2016

Undergraduate Researcher

Mentored by Wenchao Wu, Yixian Zheng, and Huamin Qu

CONFERENCE PUBLICATIONS

[9] **Causal Perception in Question-Answering Systems**

Po-Ming Law, Leo Yu-Ho Lo, Alex Endert, John Stasko, and Huamin Qu

ACM Conference on Human Factors in Computing Systems (CHI 2021) (Conditionally Accepted)

[8] What are Data Insights to Professional Visualization Users?

Po-Ming Law, Alex Endert, and John Stasko
IEEE VIS Short Paper (IEEE VIS 2020)

[7] Characterizing Automated Data Insights

Po-Ming Law, Alex Endert, and John Stasko
IEEE VIS Short Paper (IEEE VIS 2020)

[6] The Impact of Presentation Style on Human-In-The-Loop Detection of Algorithmic Bias

Po-Ming Law, Sana Malik, Fan Du, and Moumita Sinha
Graphics Interface 2020 (GI 2020)

[5] Comparing Apples and Oranges: Taxonomy and Design of Pairwise Comparisons within Tabular Data

Po-Ming Law, Subhajit Das, and Rahul C. Basole
ACM Conference on Human Factors in Computing Systems (CHI 2019)

[4] Duet: Helping Data Analysis Novices Conduct Pairwise Comparisons by Minimal Specification

Po-Ming Law, Rahul C. Basole, and Yanhong Wu
IEEE Transactions on Visualization and Computer Graphics (IEEE VIS 2018)

[3] MAQUI: Interweaving Queries and Pattern Mining for Recursive Event Sequence Exploration

Po-Ming Law, Zhicheng Liu, Sana Malik, and Rahul C. Basole
IEEE Transactions on Visualization and Computer Graphics (IEEE VIS 2018)

[2] Segue: Overviewing Evolution Patterns of Egocentric Networks by Interactive Construction of Spatial Layouts

Po-Ming Law, Yanhong Wu, and Rahul C. Basole
IEEE Conference on Visual Analytics Science and Technology (IEEE VIS 2018)

[1] VisMatchmaker: Cooperation of the User and the Computer in Centralized Matching Adjustment

Po-Ming Law, Wenchao Wu, Yixian Zheng, and Huamin Qu
IEEE Transactions on Visualization and Computer Graphics (IEEE VIS 2016)

WORKSHOP PAPERS

[2] Designing Tools for Semi-Automated Detection of Machine Learning Biases: An Interview Study

Po-Ming Law, Sana Malik, Fan Du, and Moumita Sinha
CHI 2020 Workshop on Detection and Design for Cognitive Biases in People and Computing Systems (CoBi 2020)

[1] Designing Breadth-Oriented Data Exploration for Mitigating Cognitive Biases

Po-Ming Law, and Rahul C. Basole
2nd Workshop on Dealing with Cognitive Biases in Visualizations (DECISIVe 2017)

BOOK CHAPTERS

[1] Designing Breadth-Oriented Data Exploration for Mitigating Cognitive Biases

Po-Ming Law, and Rahul C. Basole
Chapter 11 in Cognitive Biases in Visualizations, Springer, 2018

TEACHING EXPERIENCE

Georgia Institute of Technology, Atlanta, GA	Fall 2019
Teaching Assistant, CS 7450 - Information Visualization	
Instructor: John Stasko	
Georgia Institute of Technology, Atlanta, GA	Fall 2018
Teaching Assistant, CS 7450 - Information Visualization	
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
The Cheng Foundation Scholarship	2013
The Dean's List, HKUST	Every Semester at HKUST

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