

# Po-Ming “Terrance” Law

Website: [terrancelaw.github.io](http://terrancelaw.github.io)

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## RESEARCH AREAS

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Human Computer Interaction

Data Visualization

## EDUCATION

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**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

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**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

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[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)*

**[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

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**[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

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**[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

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<b>Georgia Institute of Technology, Atlanta, GA</b>	Fall 2019
Teaching Assistant, CS 7450 - Information Visualization	
Instructor: John Stasko	
<b>Georgia Institute of Technology, Atlanta, GA</b>	Fall 2018
Teaching Assistant, CS 7450 - Information Visualization	
Instructor: John Stasko	

## ACADEMIC SERVICES

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**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

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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

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