

# Po-Ming Law

[terrancelaw.github.io](https://terrancelaw.github.io)  
[pmlaw@gatech.edu](mailto:pmlaw@gatech.edu)  
+1 (404) 451-8248

TSRB 331  
85 5th St NW  
Atlanta, GA 30308  
USA

## RESEARCH INTERESTS

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Human Computer Interaction  
Information Visualization

## EDUCATION

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Georgia Institute of Technology, Atlanta, GA Aug 2016 – Present

### Ph.D in Computer Science

Dissertation: Automated yet Transparent Data Insights  
Advisor: Dr. John Stasko and Dr. Alex Endert

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

## RESEARCH EXPERIENCE

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Research Assistant, Georgia Institute of Technology, Atlanta, GA Aug 2016 – now

Research Intern, Adobe Research, San Jose, CA May 2019 – Aug 2019

Mentors: Sana Malik, Fan Du, and Moumita Sinha

Research Intern, Adobe Research, Seattle, WA May 2017 – Aug 2017

Mentors: Zhicheng Liu and Sana Malik

Undergraduate Researcher, HKUST VisLab, Hong Kong Aug 2015 – Apr 2016

## CONFERENCE PAPERS

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[ 1 ] [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)*.

[ 2 ] [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)*.

[ 3 ] [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)*.

[ 5 ] [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)*.

[ 6 ] [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)*.

## WORKSHOP PAPERS

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[ 1 ] [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)*.

[ 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)*.

## BOOK CHAPTERS

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[ 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

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Teaching Assistant, **CS 7450 - Information Visualization**, Georgia Institute of Technology Fall 2019

Instructor: Dr. John Stasko

Teaching Assistant, **CS 7450 - Information Visualization**, Georgia Institute of Technology Fall 2018

Instructor: Dr. John Stasko

## ACADEMIC SERVICES

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### Paper Reviewer

IEEE InfoVis 2019

IEEE VAST 2018, 2019

EuroVis 2019, 2020

### 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, HTML, CSS, D3, Python, R

**Software:** Adobe Illustrator, Tableau, SPSS