

# Po-Ming Law

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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 – May 2021 (Expected)  
**Ph.D in Computer Science**  
Advisor: Dr. John Stasko and Dr. Alex Endert

**The Hong Kong University of Science and Technology**, Hong Kong Sept 2012 – Aug 2016  
**B.Eng. in Computer Science and B.B.A. in General Business Management**  
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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- [ 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

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[ 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

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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, <b>CS 7450 - Information Visualization</b> , Georgia Institute of Technology	Fall 2019
Instructor: Dr. John Stasko	
Teaching Assistant, <b>CS 7450 - Information Visualization</b> , Georgia Institute of Technology	Fall 2018
Instructor: Dr. 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, HTML, CSS, D3, Python, R

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