

# 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 – 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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CS 7450 - Information Visualization, **Georgia Institute of Technology**, Atlanta, GA Fall 2019

CS 7450 - Information Visualization, **Georgia Institute of Technology**, Atlanta, GA Fall 2018

## 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