

# Po-Ming Law

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USA

## RESEARCH INTERESTS

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Human Computer Interaction  
Visual Analytics

## EDUCATION

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**Georgia Institute of Technology**, Atlanta, GA Aug 2016 – Present  
**Ph.D in Computer Science**  
Advisor: Dr. Rahul Basole

**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

**Northwestern University**, Evanston, IL Fall 2014  
Academic Exchange

## RESEARCH EXPERIENCE

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Research Assistant, **Georgia Institute of Technology**, Atlanta, GA Aug 2016 – now  
Develop and evaluate techniques for helping non-experts conduct exploratory data analysis.

Research Intern, **Adobe Research**, Seattle, WA May 2017 – Aug 2017  
Developed an interactive visualization tool for exploring web clickstream data.

Undergraduate Researcher, **HKUST VisLab**, Hong Kong Aug 2015 – Apr 2016  
Developed a visual analytics system to enable users and the system to co-create a matching.

## PUBLICATIONS

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- [ 1 ] [Po-Ming Law](#), Subhajit Das, and Rahul C. Basole. **Comparing Apples and Oranges: Taxonomy and Design of Pairwise Comparisons within Tabular Data**. *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI 2019)*.
- [ 2 ] [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)*.
- [ 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 VAST 2018)*.
- [ 4 ] [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)*.
- [ 5 ] [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)*.

[ 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)*.

## CONFERENCE TALKS

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**Comparing Apples and Oranges: Taxonomy and Design of Pairwise Comparisons within Tabular Data.**

CHI 2019, Glasgow, Scotland (May 2019)

**Duet: Helping Data Analysis Novices Conduct Pairwise Comparisons by Minimal Specification.**

IEEE VIS 2019, Berlin, Germany (Oct 2018)

**MAQUI: Interweaving Queries and Pattern Mining for Recursive Event Sequence Exploration.**

IEEE VIS 2019, Berlin, Germany (Oct 2018)

**Segue: Overviewing Evolution Patterns of Egocentric Networks by Interactive Construction of Spatial Layouts.**

IEEE VIS 2019, Berlin, Germany (Oct 2018)

**Designing Breadth-Oriented Data Exploration for Mitigating Cognitive Biases.**

IEEE VIS 2018, Phoenix, AZ (Sept 2017)

**VisMatchmaker: Cooperation of the User and the Computer in Centralized Matching Adjustment.**

IEEE VIS 2017, Baltimore, MD (Oct 2016)

## TEACHING EXPERIENCE

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

Fall 2018

Held office hours, and graded assignments and projects as a teaching assistant.

## ACADEMIC SERVICES

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### Paper Reviewer

IEEE InfoVis 2019

IEEE VAST 2018, 2019

EuroVis 2019

### 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