

## RESEARCH INTEREST

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**Information Visualization, Human Computer Interaction, Natural Language Processing**

## EDUCATION

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**Ph.D. Information Science / 2015 – Present**

*University of Washington, Advisor: Jessica Hullman*

**M.S. Human-Centered Design and Engineering / 2012 - 2014**

*University of Washington*

**B.A. Applied Statistics / 2005 – 2010**

*Yonsei University, Korea*

## EMPLOYMENT

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**Research Intern / Jun. 2017 – Sep. 2017**

*Adobe Research, Mentor: Mira Dontcheva, Leo Zhicheng Liu*

**Co-Instructor / Jan. 2017 – Mar. 2017**

*University of Washington, The Information School, INFX 562 Interactive Information Visualization*

**Research Assistant / Sep. 2015 – Present**

*University of Washington, The Information School*

**IT Specialist II / May 2015 – Jul. 2015**

*University of Washington Department of Biology*

**Product Research Analyst / 2010 – 2012**

*Samsung, Korea*


**Summer Intern / Jul. 2009 – Aug. 2009**

*Samsung, Korea*

## PUBLICATIONS

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### Conference Papers

 [c.8] Explaining the Gap: Visualizing One's Predictions Improves Recall and Comprehension of Data

**Yea-Seul Kim**, Katharina Reinecke, Jessica Hullman

*CHI 2017: ACM Conference on Human Factors in Computing Systems.*

[c.7] SimpleScience: Lexical Simplification of Scientific Terminology

**Yea-Seul Kim**, Jessica Hullman, Matthew Burgess, Eytan Adar

*EMNLP 2016: SIGDAT Conference on Empirical Methods in Natural Language Processing.*

[c.6] Generating Personalized Spatial Analogies for Distances and Areas.

**Yea-Seul Kim**, Jessica Hullman, Maneesh Agrawala

*CHI 2016: ACM Conference on Human Factors in Computing Systems.*

[c.5] A look at the cloud from both sides now: an analysis of cloud music service usage

Jin Ha Lee, **Yea-Seul Kim**, Chris Hubbles

*ISMIR 2016: International Society for Music Information Retrieval Conference.*

[c.4] Elucidating user behavior in music services through persona and gender

John Fuller, Lauren Hubener, **Yea Seul Kim**, Jin Ha Lee

*ISMIR 2016: International Society for Music Information Retrieval Conference.*

[c.3] DeScipher: A Text Simplification Tool for Science Journalism.

**Yea-Seul Kim**, Jessica Hullman, Eytan Adar

*C+J 2015: Computation+Journalism Symposium*

[c.2] VIZMO Game Browser: Accessing Video Games by Visual Style and Mood.

Jin-Ha Lee, Sungsoo Hong, Hyerim Cho, **Yea-Seul Kim**

*CHI 2015: ACM Conference on Human Factors in Computing Systems.*

[c.1] Traffigram: distortion for clarification via isochronal cartography.

Sungsoo Hong, **Yea-Seul Kim**, Jong-Chul Yoon, Cecilia R. Aragon

*CHI 2014: ACM Conference on Human Factors in Computing Systems.*

### Journal Articles

[j.5] Data Through Others' Eyes: The Impact of Visualizing Others' Expectations on Visualization Interpretation

**Yea-Seul Kim**, Katharina Reinecke, Jessica Hullman

*INFOVIS: IEEE Transactions on Visualization and Computer Graphics*

[j.4] Imagining Replications: Graphical Prediction & Discrete Visualizations Improve Recall & Estimation of Effect Uncertainty

Jessica Hullman, Matthew Kay, **Yea-Seul Kim**, Samana Shrestha

*INFOVIS: IEEE Transactions on Visualization and Computer Graphics*

[j.3] Toward the operationalization of visual metaphor.

Alex Hiniker, Sungsoo Hong, **Yea-Seul Kim**, Nan-Chen Chen, Jevin West, Cecilia Aragon

*JASIST: Journal of the Association for Information Science and Technology (In press).*

[j.2] Video game information needs and game organization: differences by sex and age.

Jin-Ha Lee, Rachel Ivy Clarke, **Yea-Seul Kim**

*IR: Information Research*

[j.1] Users' Music Information Needs and Behaviors: Design Implications for Music Information Retrieval Systems.

Jin-Ha Lee, Hyerim Cho, **Yea-Seul Kim**

*JASIST: Journal of the Association for Information Science and Technology*

### Workshop Publications

[w.2] Using Curiosity and (or?) Self-Explanation to Prompt Deeper Understanding of Data

**Yea-Seul Kim**, Jessica Hullman

*CHI 2017 Workshop on Designing for Curiosity*

[w.1] Expectation Visualization: Opportunities for Personalized Feedback.

**Yea-Seul Kim**, Jessica Hullman

*IEEE InfoVis 2015 Workshop on Personal Visualization*

### AWARDS

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[a.4] **CHI 2017 Workshop MSR-Inria Student Travel Grant [w.2]**

[a.3] **CHI 2017 Best Paper Award [c.8]**

[a.2] **Commercialization GAP Fund Winner (\$50,000)**, UW Center for Commercialization / Jun. 2014

[a.1] **Capstone Award Winner (Traffigram)**, UW College of Engineering / Feb. 2013

### SERVICE

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#### Student Volunteers

Student Volunteer at 2015 ACM CHI, Seoul, Korea, May 2015

## **Reviewing**

CHI 2017, INTERACT 2017, INFOVIS 2018

## ISSUED PATENTS

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[i.2] Kee-Hyun Nam, **Yea-Seul Kim** (2013) **Dual display device and method of controlling the same**. Filed Feb. 6 2013 as US 13/761,072, Published Dec. 19 2013 as U.S. patent 20130335348 A1 and China patent 103514836A

[i.1] Kee-Hyun Nam, **Yea-Seul Kim** (2013) **Dual display apparatus and method of driving the same**. Filed Nov. 26 2012 as US 13/685,656, Published Nov. 28 2013 as U.S. patent 20130314338 A1 and China patent 103425321A

## SKILLS

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### **Technical Skill**

Python, R, Java, HTML, CSS, PHP, JavaScript