

RESEARCH INTEREST

Information Visualization, Human Computer Interaction, Data Science

EDUCATION

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

Research Intern / Oct. 2017 – Dec. 2017

Microsoft Research, Mentor: Nathalie Henry Riche

Research Intern / Jun. 2017 – Sep. 2017

Adobe Research, Mentor: Mira Dontcheva

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

Conference Papers

[c.9] Improving Comprehension of Measurements Using Concrete Re-expression Strategies

Jessica Hullman, **Yea-Seul Kim**, Francis Nguyen, Lauren Speers, Maneesh Agrawala

CHI 2018: ACM Conference on Human Factors in Computing Systems.

 [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

[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

Student Volunteers

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

Student Volunteer at 2017 ACM CHI, Denver, CO, May 2017

Reviewing

CHI 2017, INTERACT 2017, INFOVIS 2017, CHI 2018, INFOVIS 2018

SKILLS

Technical Skill

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