

Ha-Kyung (Hidy) Kong

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Education

University of Illinois Urbana Champaign

PHD CANDIDATE IN COMPUTER SCIENCE

Champaign, IL

anticipated May 2019

Calvin College

B.S. IN COMPUTER SCIENCE (WITH HONORS DISTINCTION)

B.A. IN MUSIC (WITH HONORS DISTINCTION)

Grand Rapids, MI

May 2013

Research Interests

Human-Computer Interaction (HCI), Data Visualization, and Assistive Technology

Publications

H. Kong, Z. Liu, and K. Karahalios. "Trust and Recall of Information across Varying Degrees of Title-Visualization Misalignment," [In submission]

H. Kong, W. Zhu, Z. Liu, and K. Karahalios. "Understanding Visual Cues in Visualizations Accompanied by Audio Narrations," [In submission]

H. Kong, A. Fetting, H. Meadan, E. Barton, and K. Karahalios. "Family Behavior Support App: Designing with Families and Service Providers," [In submission]

H. Kong, Z. Liu, and K. Karahalios. "Frames and Slants in Titles of Visualizations on Controversial Topics," CHI 2018.

H. Kong*, J. Lee*, and K. Karahalios. "A Comparative Study of Visualizations with Different Granularities of Behavior for Communicating about Autism," CSCW 2018. *Both authors contributed equally to this work

S. Rahman, M. Aliakbarpour, **H. Kong**, E. Blais, K. Karahalios, A. Parameswaran, and R. Rubinfeld. "I've Seen 'Enough': Incrementally Improving Visualizations to Support Rapid Decision Making," VLDB 2017.

H. Kong, Z. Liu, and K. Karahalios. "Internal and External Visual Cue Preferences for Visualizations in Presentations," EuroVis 2017.

H. Kong and K. Karahalios. "Parental Perceptions, Experiences, and Desires of Music Therapy," AMIA 2016.

J. Lee, **H. Kong**, S. Lin, and K. Karahalios. "Plexlines: Tracking Socio-communicative Behaviors Using Timeline Visualizations," AMIA 2016.

H. Kong*, J. Lee*, J. Ding, and K. Karahalios. "EnGaze: Designing Behavior Visualizations with and for Behavioral Scientists," DIS 2016.

J. Kim, **H. Kong**, K. Karahalios, W. Fu, and H. Hong. "The Power of Collective Endorsements: Credibility Factors in Medical Crowdfunding Campaigns," CHI 2016.

H. Kong, W. Wu, B. Bailey, and K. Karahalios. "Culture, Imagined Audience, and Language Choices of Multilingual Chinese and Korean Students on Facebook," SocInfo 2015.

Experience

University of Illinois Urbana Champaign

Champaign, IL

RESEARCH ASSISTANT

Fall 2016 - present

- Held bi-weekly meetings with special education professors and graduate students to develop a Family Behavior Support app (FBSapp) to address challenging behaviors of children
- Iteratively developed the design for FBSapp with a design student and implemented the app in Swift

Adobe Creative Technologies Lab

San Francisco, CA

RESEARCH INTERN

Summer 2016, 2017

- Studied presenters' preferences and uses of visual cues that guide the audience's attention to a particular area of a visualization. Developed a visual cue taxonomy and a visual cue webtool (VisualQ).
- Studied frames and slants in visualization titles and how they affect visualization interpretation.

University of Illinois Urbana Champaign

Champaign, IL

TEACHING ASSISTANT

Fall 2013 - Spring 2016

- INFO103 (\approx 40 students), CS101 (\approx 700 students), CS467 - Social Visualizations (\approx 90 students)
- Taught weekly lab sections for 80 students (CS101) and held weekly office hours
- Reviewed the weekly paper critiques (CS467), and led two lectures on visualizations

Calvin College

Grand Rapids, MI

WEBSITE DEVELOPER

Summer 2012 - Spring 2013

- Designed and implemented the parsing of a hymn database website
- Worked with different types of XML files and published books on Amazon and iBook

Calvin College

Grand Rapids, MI

TUTOR

Fall 2010 - Spring 2013

- Courses: 'Intro to Psychology,' 'Abnormal Psychology,' 'Intro to Programming,' 'Data Structures and Algorithms,' 'Music Theory I & II' and 'Music History II'
- Explained concepts to college students and helped them with homework

Selected Honors & Awards

2018-2019	Marion Morse Wood Fellowship,
2017	Grace Hopper Celebration of Women in Computing (GHC) Student Scholarship,
Fall 2014	Outstanding Teaching Assistant Award,
2013	CCA Computing Award, Awarded to the top graduating senior in computer science
2009-2013	Trustee Scholarship, Awarded to top 3% of first-year students accepted

Skills

Proficiencies Python, C++, HTML, JavaScript, XML, Swift, and D3

Experience C, C#, Perl, Java, PHP, MySQL, and XSLT

Services

Student Volunteer 2018 ACM CSCW, Jersey City, U.S.A., Nov 2018

Reviewer AMIA 2017, VIS 2018, CHI 2018-2019