

Young-Ho Kim

Ph.D candidate in Computer Science
Dept. of Computer Science & Engineering, Seoul National University
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Education

Seoul National University

Ph.D Candidate in Computer Science

Dept. of Computer Science & Engineering, College of Engineering
Human-Computer Interaction Laboratory

Advisor: Jinwook Seo

Dissertation Committee: Sang-goo Lee, Bongwon Suh, Bongshin Lee, and Eun Kyoung Choe

Seoul, South Korea

Sep 2012 – Feb 2019

Seoul National University

Bachelor of Fine Arts in Design, Cum Laude

Major of Visual Communication Design, Dept. of Craft & Design, College of Fine Arts

Advisor: Suzung Kim

Seoul, South Korea

Mar 2007 – Feb 2011

Work Experience

I-UM Socius

UI/UX Visual Designer @ Brand Experience Design Team

Participated in designing the first Korean social dating service, I-UM.

Supervisor: Kyungho Lee (Chief Creative Officer)

Seoul, South Korea

Mar 2011 – Jun 2012

Honors and Awards

2017	Naver Ph.D Fellowship Award Received research grant from Naver Corporation	<i>South Korea</i>
2011	iF Design Award Nominee Social Dating Service, I-UM	<i>Germany</i>
2011	Graduation with Distinction (Rank First) Dept. of Craft & Design, Seoul National University	<i>South Korea</i>
2007 – 2010	Outstanding Academic Scholarship (Tuition) Dept. of Craft & Design, Seoul National University	<i>South Korea</i>

Skills

Visual Communication Design

Designing and presenting through the **visual language** and drawing graphical elements and artworks at production level

Technical Implementation

Web/app design, GUI design, Graphic design
Implementing ideas at hi-fidelity prototype level
Mobile development using Java & Kotlin Android, React Native
Desktop development using WPF and Swift,
Web development using Angular, Ruby on Rails, and D3.js visualization
Server Backend using Express.js and Node.js

Mixed Method User Research

Conducting user studies in various methods and analyzing the result, especially in-situ field deployment studies with hi-fidelity prototypes of digital applications and collecting user behavioral data
Field deployment study, Usability testing, Interviews, Questionnaires

Publication

International Journal

2017 [J1] OmniTrack: A Flexible Self-Tracking Approach Leveraging Semi-Automated Tracking *Journal Article*

Young-Ho Kim, Jae Ho Jeon, Bongshin Lee, Eun Kyoung Choe, and Jinwook Seo
Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT), Volume 1, Issue 3, Article 67, 28 pages.
Also presented at ACM UbiComp 2017, Maui, Hawaii, USA.
Acceptance Rate 9 %
DOI: <https://doi.org/10.1145/3130930>
Video: <https://www.youtube.com/watch?v=zRluENNRjEM>

International Conference

2019 [C2] Understanding Personal Productivity: How Knowledge Workers Define, Evaluate, and Reflect on Their Productivity *Full Paper*

Young-Ho Kim, Eun Kyoung Choe, Bongshin Lee, and Jinwook Seo
In Proceedings of ACM CHI Conference on Human Factors in Computing Systems (CHI'19).
ACM, New York, NY, USA, 12 pages. To appear.
Acceptance Rate 23.8%

2016 [C1] TimeAware: Leveraging Framing Effects to Enhance Personal Productivity *Full Paper*

Young-Ho Kim, Jae Ho Jeon, Eun Kyoung Choe, Bongshin Lee, KwonHyun Kim, and Jinwook Seo
In Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems (CHI '16).
ACM, New York, NY, USA, 272-283.
Acceptance Rate 23.4%
DOI: <http://dl.acm.org/citation.cfm?doid=2858036.2858428>
Video: <https://www.youtube.com/watch?v=HQ5pmFkHszk>

Domestic Publication (Korean)

2016 [D6] Designing a Flexible Self-Tracking Mobile Application *Poster*

Young-Ho Kim, Jae Ho Jeon, Bongshin Lee, Eun Kyoung Choe, and Jinwook Seo
In Proceedings of Korea Software Congress 2016 Winter

2016 [D5] Ensemble Box – A Digital Orgel Supporting Drawing Melodies in Various Timbres *Poster*

Young-Ho Kim, Jeongin Hwang, and Jinwook Seo
In Proceedings of Korea Software Congress 2016 Summer

- 2014 [D4] AntHouse: A Novel Visualization Interface about Exploring Social Relationship from Email History** *Note*
 Young-Ho Kim, Jae Ho Jeon, and Jinwook Seo
 In Proceedings of HCI Korea, Feb 12-14 in Jeongseon, South Korea.
- 2014 [D3] Design and Development of Visual Analytics Tool in SRC-STAT** *Note*
 GuHyun Han, Young-Ho Kim, DongHwa Shin, Young Jo Lee, and Jinwook Seo
 In Proceedings of HCI Korea, Feb 12-14 in Jeongseon, South Korea.
- 2014 [D2] A Design Study for a Visualization/analysis System for Petroleum Reservoir Simulation Data** *Note*
 Kyle Koh, Young-Ho Kim, and Jinwook Seo
 In Proceedings of HCI Korea, Feb 12-14 in Jeongseon, South Korea.
- 2014 [D1] Suggestion for Facebook Friend-Sourcing Gallery Service: Focusing on Daily Activities based on Weather Data** *Poster*
 Sumi Kim, Young-Ho Kim, and Bongwon Suh
 In Proceedings of HCI Korea, Feb 12-14 in Jeongseon, South Korea.

Miscellaneous

- 2019 [M2] Designing Flexible Self-Tracking Technologies for Enhancing *In Situ* Data Collection Capability** *Ph.D. Thesis*
 Young-Ho Kim
 Dept. of Computer Science & Engineering, College of Engineering, Seoul Nat'l University
- 2019 [M1] Designing Flexible Self-Tracking Technologies for Enhancing *In Situ* Data Collection Capability** *Doctoral Consortium*
 Young-Ho Kim
 In Proceedings of HCI Korea, Feb 13-16 in Jeju, South Korea.

Major Research Projects

- Visualizing Source Code and Individual Productivity for Massive Developer Team** *Samsung Electronics*
July 2017 ~ September 2018
 Leading the research team as a project manager.
- Semi-Automated Chart Image Recognition and Data Extraction** *Hancom Corporation*
October 2014 - March 2015
 Participated in designing the system interface and interaction flow of the chart recognition system.
- Designing & Developing Statistics and Visualization Suite** *Seoul National University*
May 2013 - April 2014
 Participated in designing and implementing a statistics and visualization suite, SRC-Stat.
<http://srcdsc.snu.ac.kr/srcstat>

Media Coverage

- Study looks at how to ignore digital distractions at work** *The Horizons Tracker*
<http://adigaskell.org/2016/08/08/study-looks-at-how-to-ignore-digital-distractions-at-work/>
Adi Gaskell, August 8, 2016

Professor studies how apps can affect productivity

<https://phys.org/news/2016-07-professor-apps-affect-productivity.html>

Phys.org

Katie Bohn, July 7, 2016

Professor studies how apps can affect productivity

Research team designed new web app to help users' productivity

<http://news.psu.edu/story/416400/2016/07/01/research/professor-studies-how-apps-can-affect-productivity>

Penn State News

Katie Bohn, July 1, 2016

Talks

Understanding Personal Productivity: How Knowledge Workers Define, Evaluate, and Reflect on Productivity

The 4th SNU HCI Group Summit

Seoul National University

Aug 2018

Designing the HCI Technology for Flexible, Semi-Automated Personal Tracking Experience

Guest Lecture in Creative Research Practice Class (Prof. Hwajung Hong)

Seoul National University

Apr 2018

Designing the HCI Technology for Flexible, Semi-Automated Personal Tracking Experience

Invited Speaker in Naver Tech Talk

Naver Corp., Korea

Mar 2018

A Flexible Self-Tracking Approach Leveraging Semi-Automated Tracking

The 3rd SNU HCI Group Summit

Seoul National University

Aug 2017

Leveraging Framing Effects to Enhance Personal Productivity

The 2nd SNU HCI Group Summit

Seoul National University

Aug 2016

Exhibitions

HCIK '11 (Korean HCI Society Annual Conference 2011)

Presented a serious game using NeuroSky Mindset, 'Hans and Gretel.'

Yongpyung, South Korea

Jan 2011

SIGGRAPH ASIA 2010 Seoul

Participated in an exhibition of Intermedia Lab in SNU

An Interactive Alphabet Education Application, 'Particle Zoo' was presented.

Seoul, South Korea

Dec 2010

Korea Serious Game Festival 2010

Participated in an Exhibition of SNU AICT (Advanced Institute of Convergence Technology).

Bundang, South Korea

Sep 2010

Gyeonggi Gwangyo Technovalley Exhibition

Participated in an Exhibition of SNU AICT (Advanced Institute of Convergence Technology).

Suwon, South Korea

Sep 2010

Teaching and Lecturing

Teaching Assistant & D3.js Tutorial Lecture

Information Visualization & Visual Analytics Class for Graduate Students, Dept. of CSE
Prof. Jinwook Seo

Seoul National University

2016 Fall

D3.js Guest Lecture

Visual Analytics Class for Graduate Students, College of Informatics
Prof. Jaegul Choo

Korea University

Sep 2015

Material is available at <http://www.slideshare.net/YoungHoKim6/a-quick-and-dirty-d3js-tutorial>

C Programming Teaching Assistant & Tutorial Lecturer

Programming Practice (Undergraduate Programming 101), Dept. of CSE
Prof. Jinwook Seo

Seoul National University

2013 Fall

Community Services and Activities

Volunteer work for Myanmar Refugees in Malaysia

A Missionary trip to the school for refugees in order to help dispatched missionaries.

Kuala Lumpur, Malaysia

Jun 2010 – Jul 2010

Cofounder of SNU Game Developer Club, SNUGDC

Cofounded an official game developer club in the university, as vice president for the first 2 years.

Seoul, South Korea

2009

Cofounder of an Indie Game Developer Team, SNUBIE

Founded an indie game team with 4 other colleagues at university.

Seoul, South Korea

2008 - 2010

Campaign Trip for Prevention of Desertification of Inner Mongolia

A Missionary trip to the school for refugees in order to help dispatched missionaries.

Xilinhot, Inner Mongolia

Jul 2007

Academic Society and Services

Paper Reviewing

ACM CHI (2017, 2019)

ACM DIS (2018)

Workshop on Ubiquitous Personal Assistance in ACM UbiComp (2018)

PACM IMWUT (2017 Aug)

Committee

IEEE PacificVis 2017 (Design Chair)

Workshop on Ubiquitous Personal Assistance in ACM UbiComp 2018

(Technical Program Committee)

Student Volunteer

ACM CHI 2016

IEEE PacificVis 2017

References

Jinwook Seo

Associate Professor, Dept. of Computer Science & Engineering, Seoul National University
Ph.D Advisor

Suzung Kim

Associate Professor, Dept. of Visual Communication Design, Seoul National University
B.F.A Advisor

Kyungho Lee

Research Fellow, National Center for Supercomputing Applications, UIUC
Supervisor at I-UM Socius as a chief creative officer