

# Young-Ho Kim

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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*

*(Expected)*

### 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	<b>Naver Ph.D Fellowship Award</b> Received research grant from Naver Corporation	<i>South Korea</i>
2011	<b>iF Design Award Nominee</b> Social Dating Service, I-UM	<i>Germany</i>
2011	<b>Graduation with Distinction (Rank First)</b> Dept. of Craft & Design, Seoul National University	<i>South Korea</i>
2007 – 2010	<b>Outstanding Academic Scholarship (Tuition)</b> 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 **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 **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 **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=HQ5pmFkHhZsk>

## Domestic Publication (Korean)

### 2016 **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 **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 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 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 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 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.

## 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*  
 Participated in designing the system interface and interaction flow of the chart recognition system.  
 October 2014 – March 2015
- Designing & Developing Statistics and Visualization Suite** *Seoul National University*  
 Participated in designing and implementing a statistics and visualization suite, SRC-Stat.  
 May 2013 – April 2014  
<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** *Phys.org*  
<https://phys.org/news/2016-07-professor-apps-affect-productivity.html>  
 Katie Bohn, July 7, 2016
- Professor studies how apps can affect productivity** *Penn State News*  
 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>  
 Katie Bohn, July 1, 2016

## Talks

- Understanding Personal Productivity: How Knowledge Workers Define,** *Seoul National University*

### **Evaluate, and Reflect on Productivity**

The 4<sup>th</sup> SNU HCI Group Summit

*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 3<sup>rd</sup> SNU HCI Group Summit

*Seoul National University*

*Aug 2017*

### **Leveraging Framing Effects to Enhance Personal Productivity**

The 2<sup>nd</sup> 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

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

*Korea University*

*Sep 2015*

### **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 IMMUT (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