

Young-Ho Kim

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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: Prof. Jinwook Seo

Seoul, South Korea

Sep 2012 - Present

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: Prof. 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.
Advisor: 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

South Korea

2011

iF Design Award Nominee

Social Dating Service, I-UM

Germany

2011

Graduation with Distinction (Rank First)

Dept. of Craft & Design, Seoul National University

South Korea

2007 - 2010

Outstanding Academic Scholarship (Tuition)

Dept. of Craft & Design, Seoul National University

South Korea

Skills

Visual Communication Design

Designing and presenting through the **visual language** and drawing graphical elements and artworks at production level
Web/app design, GUI design, Graphic design

Technical Implementation

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

- 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>
- 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 34th Annual ACM Conference on Human Factors in Computing Systems (CHI '16), May 07-12 in San Jose, CA, USA, 272-283.
Acceptance Rate 23.4%
DOI: <http://dl.acm.org/citation.cfm?doid=2858036.2858428>
Video: <https://www.youtube.com/watch?v=HQ5pmFkHhsk>

Domestic (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 ~ Present
 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, Evaluate, and Reflect on Productivity** *Seoul National University*
 Aug 2018
 The 4th SNU HCI Group Summit
- Designing the HCI Technology for Flexible, Semi-Automated Personal Tracking Experience** *Seoul National University*
 Apr 2018
 Guest Lecture in Creative Research Practice Class (Prof. Hwajung Hong)
- Designing the HCI Technology for Flexible, Semi-Automated Personal Tracking Experience** *Naver Corp., Korea*
 Mar 2018
 Invited Speaker in Naver Tech Talk

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

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)
PACM IMWUT (2017 Aug)
ACM DIS (2018)
Workshop on Ubiquitous Personal Assistance in ACM UbiComp (2018)

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