

Hyunyoung Kim

Gwangju, S. Korea

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Professional Experience

Chonnam National University, Gwangju, South Korea
Researcher, Human-Computer Interaction

Nov 2014 – Current

Association for Vertical Farming, Munich, Germany
Web Designer/Developer

Dec 2013 – May 2014

Samsung Electronics, Suwon, South Korea

Feb 2011 – May 2013

UX Designer, User Research & UI Design, UX Center, DMC Research Centers

- Smart Home service & UI design. Part of the mobile and TV interfaces were demonstrated at '13 IFA. The UX, which is harmonizing 3rd party products and worldwide users was designed strategically based on the global user research and usability test.
- Concept generation and UI design for Samsung's first Smart LED mobile application.
- Mobile Wallet project, which was shown at MWC '13. Designed UIs for merchants' part, managed card reader appcessory design, led user research.
- Researching on emerging technology, finding new business opportunities and patenting on related ideas. Consulted ideation process and developed patents with patent specialists and engineers. Related patents are pending.
- Annual proposal for health services. Lead an ideation process.
- Patent task force for new health devices and services, organized meetings and cooperated with engineers to develop patent items.
- Performed a medical device design with IDEO and new business development division; Learned IDEO's research know-how in paired observation, interview, and observational sharing.

Samsung Software Membership, Seoul, South Korea
Student Researcher, Interaction Design & Prototyping

Jan 2010 – Dec 2010

KOREA MART, Japan
Intern, Homepage & shopping mall development

Jan 2006 – Feb 2006

Education

KAIST (Korea Advanced Institute of Science and Technology), Daejeon, South Korea
Master of Science, Digital Media Program, Advisor: Minsoo Hahn, GPA: 3.27/4.3

Mar 2009 – Feb 2011

Sungkyunkwan University, Suwon, South Korea
Bachelor of Science, Computer Engineering, GPA: 3.93/4.5

Mar 2004 – Feb 2009

Park University, MO, USA
Transferred student

Jan 2007 – May 2007

Honors and Awards

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| Employee of Month, Samsung Electronics, 3 times | 2011 – 2013 |
| Korea National Robot Soccer MiroSot League, 3rd place, Korea Robot Soccer Association | Aug 2005 |
| Champions League MiroSot Small League, 1st place, Kangnam University Korea | Feb 2005 |
| National scholarship, KAIST | 2009 – 2010 |
| Merit based 4 year full scholarship for Bachelor degree, Sungkyunkwan University | 2004 – 2008 |

Publications

Sanghyun Park, **Hyunyoung Kim**, Jinsul Kim, Taeksoo Ji, Myoung Jin Lee, A Novel Detection Method Integrating Hybrid Sensors for Motorized Wheelchairs, ICISA, 2015 (*Accepted*)

Hyunyoung Kim, Gesture-Recognition Interface with Keyboard Embedded IR Modules, [Master's Thesis '11](#) (*Korean, [Short description in English](#)*)

Hyunyoung Kim, Kuenhwan Kwak, Jongwoo Jung, Insik Myung, Minsoo Hahn, Tablaction: collaborative brainstorming system with stylus-fingertip interactions on tablet PCs, [VRCAL '10](#)

Hyunyoung Kim, Donghoon Lee, Jeehyung Lee, Personalized Comment Spam Filtering Using Clustering, [KIIS '08](#) (*Korean, [Short description in English](#)*)

Patents

Hyun-Young Kim, Hee-Won Jung, Device and method for transmitting electronic key thereof, US20140115493 A1

Hyun-Young Kim, Tae-hwan WI, Method and device for transmitting information related to event, US20140075329 A1

Hyun-Young Kim, Tae-hwan WI, User terminal device and system for performing user customized health management, and methods thereof, US20130268292 A1

Sung-Jin Park, **Hyun-Young Kim**, User terminal, external apparatus, data transceiving system, and data transceiving method, US20140128031 A1

Eun-young Lim, **Hyun-Young Kim**, Yeon-hee ROH, Joo-kyung Woo, Young-shil Jang, User terminal device for providing electronic shopping service and methods thereof, US20130332228 A1

Jae-Woo Ko, Tae-hwan WI, Hee-Won Jung, **Hyun-Young Kim**, Bo-seok MOON, Management server and method for controlling device, user terminal apparatus and method for controlling device, and user terminal apparatus and control method thereof, US20130268998 A1

Other Research Experience

| | |
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| A pressure sensitive tablet and its practical uses, software implementation | 2010 |
| Yo! Run! – Mobile running assistant system using foot sensor and mobile application, user research and software implementation | 2010 |
| A remote music-controlling tumbler, implementation with Arduino and Processing | 2009 |

Skills

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|-----------------------------|---|
| User Research | Usability test, task observation, heuristic analysis, home visiting, interview, GOMS, wizard of oz, survey design and data analysis |
| Languages & APIs | C#, WPF, C++, Java, C, Processing, Unity3D, Vuforia, Windows Mobile, HTML, CSS, Javascript, MySQL, Matlab, Google Map API |
| Development Tools | Visual Studio, Eclipse IDE, XCode |
| Engineering | Arduino, circuit design, Eagle |
| UX Design | Illustrator, Photoshop, Axure, Omnigraffle, Balsamiq, Flowella, brainstorming, personas, scenarios, wireframe, userflow |

Teaching and Service

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|-------------------|--|------|
| Mentor | Women's science thesis competition for undergraduates and high school students | 2011 |
| Instructor | Designing circuits, basics from soldering to implementing, for undergraduate lab interns | 2010 |
| Instructor | Trends of human sensing technology, in course seminar | 2008 |

Language Education

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| Rheinland Privatschule , Essen, Germany | Sep 2013 – Oct 2013 |
| German Language Course | |
| HLI Liberty , MO, USA | Sep 2006 – Dec 2006 |
| English Language Course | |

Language Skills

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| English | Spoken and written proficiency in English (TOEFL 90, TOEIC 935) |
| German | Basic grammatical and conversational knowledge of German |
| Korean | Native |