Hyunyoung Kim

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Professional Experience

Chonnam National University, Gwangju, South Korea   Nov 2014 – Current
Researcher, Human-Computer Interaction

Association for Vertical Farming, Munich, Germany   Dec 2013 – May 2014
Web Designer/Developer

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   Jan 2010 – Dec 2010
Student Researcher, Interaction Design & Prototyping

KOREA MART, Japan   Jan 2006 – Feb 2006
Intern, Homepage & shopping mall development

Education

KAIST (Korea Advanced Institute of Science and Technology), Daejon, South Korea   Mar 2009 – Feb 2011
Master of Science, Digital Media Program, Advisor: Minsoo Hahn, GPA: 3.27/4.3

Sungkyunkwan University, Suwon, South Korea   Mar 2004 –Feb 2009
Bachelor of Science, Computer Engineering, GPA: 3.93/4.5

Park University, MO, USA   Jan 2007 – May 2007
Transferred student

Honors and Awards

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

Hyunyoung Kim, Jinsul Kim, Designing a Digital Canvas as a Portable 3D Input Interface: Focusing on Input Accuracy, UIST, 2015 *(Submitted)*

Hyunyoung Kim, Ilmin Kim, Jinsul Kim, Designing the Smart Foot Mat and Its Applications: as a User Identification Sensor for Smart Home Scenarios, The 6th 2015 International Interdisciplinary Workshop Series, HSST

Hyunyoung Kim, Nick Moon, Nuri Na, Jinsul Kim, The Smart Armband: Expanding Wearable Interface Area and Suggesting Interaction Scenarios, Mobile HCI, 2015 *(Submitted)*

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

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, [VRCAI '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

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

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, artwork
UX Design	Illustrator, Photoshop, Axure, Omnigraffle, Balsamiq, Flowella, brainstorming, personas, scenarios, wireframe, userflow

Teaching and Service

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

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

Language Skills

English	Spoken and written proficiency in English (TOEFL 96, TOEIC 935)
German	Basic grammatical and conversational knowledge of German
Korean	Native