

CV - Hyoji Ha

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Personal Information

Name: Hyoji Ha

Date of Birth: 1990.05.08

Address: Integrated Design Lab Ajou
University, 206 Worldcup-ro, Yeongtong-gu,
Suwon, 16499, South Korea

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Area of Expertise: Data Visualization,
Information visualization planning,
Visual analytics, Infographic,
HCI, UX design, UI design, Graphic design
Web programming.

Education

Graduate School of Ajou University (2013 - Present)

Lifemedia Interdisciplinary Program – Media Contents

Ph.D. Candidate, Integrated PhD program

Grade Point: 4.47 / 4.50

Ajou University (2010 - 2013)

Department of Digital Media

Bachelor's degree

Graduated first class honor (Grade Point: 4.43 / 4.50)

Experience

Technical Research Personnel (Alternative Military Service),
Ajou University, South Korea, 2019~2022

Research Assistant in Convergence Research Center Project
Digital Connectedness/Sharing for Mental Health Care

in the Aging Society, Ajou University & Ajou University
Medical Center, South Korea, 2015~2017

Research Assistant in See-At Technology

Development Project of Meteorological Administration

Traffic Accident Risk Prediction based on Text Mining, Korea
Meteorological Administration, South Korea, 2015~2016

Research Assistant in Utilization of Big Data

& Smart Service Project

Smart News Service, Seoul National University / National
Information Society Agency / Ministry of Future Creation and
Science, South Korea, 2013~2015

Internship in Data Science Lab

Advanced Institute of Convergence Technology, Seoul National
University, South Korea, 2013~2014

Research

International Journal (SCIE, SCOPUS)

Hyoji Ha, Hyunwoo Han and Kyungwon Lee, **"A Visualization
System for Exploring Logo Trend and Design Shape
Patterns"** Applied Sciences(SCIE,SCOPUS), 10(13). (July
2020):4579.

Hyoji Ha, Jihye Lee, Hyunwoo Han, Sungyun Bae, Sangjoon
Son, Changhyung Hong, Hyunjung Shin and Kyungwon Lee, **"
Dementia Patient Segmentation Using EMR Data
Visualization: A Design Study"** International Journal of
Environmental Research and Public Health
(SCIE,SSCI,MEDLINE,SCOPUS), 16(18). (September 2019):3438.

Hyoji Ha, Hyunwoo Han, Seongmin Mun, Sungyun Bae, Jihye
Lee and Kyungwon Lee, **"An Improved Study of Multilevel**

Semantic Network Visualization for Analyzing Sentiment

Word of Movie Review Data” Applied Sciences(SCIE,SCOPUS), 9(12). (June 2019):2419.

Hyoji Ha, Seongmin Mun, Gyeongcheol Choi, Eunbin Hong, Sangkuk Lee and Kyungwon Lee, **“Visual Analysis on the Political Orientation of Historical Characters in the Joseon Dynasty: Focusing on Seo, Geojeong”** Archives of Design Research(SCOPUS), 32(1). (February 2019):147-160.

Domestic Journal (KCI)

Hyoji Ha, Hyunwoo Han, Sungyun Bae, Jihye Lee, Sangjoon Son, Changhyung Hong, Hyunjung Shin and Kyungwon Lee, **“A Study on Visualization Methods of Semantic Clustering for Multi-dimensional data”** Journal of Communications of KIISE 34.11. Korean Institute of Information Scientists and Engineers (November 2016):51-61.

Hyoji Ha, Hyunwoo Han, Seongmin Mun, Sungyun Bae, Jihye Lee, Kyungwon Lee, **“Visualization of movie recommendation system using the sentimental vocabulary distribution map”** Journal of the Korea Society of Computer and Information 21.5. The Korean Society Of Computer And Information (May 2016):19-29.

Hanmin Choi, Seongmin Mun, Hyoji Ha, Kyungwon Lee, **“Proximity based Circular Visualization for similarity analysis of voting patterns between nations in UN General Assembly”** Design convergence study 14.4. Society of Design convergence (August 2015):133-150.

Seongmin Mun, Hyoji Ha, Kyungwon Lee, **"Relationship Analysis between the Box Office Performance and Sentimental Words in Movie Review"** Design convergence study 14.4. Society of Design convergence (August 2015):1-16.

Seongmin Mun, Hyunwoo Han, Hyoji Ha, Kyungwon Lee, **"A Visual Analysis on Factors Affecting Repurchase Intention in Social Commerce -Focused on Group-buying Social Commerce-"** Design convergence study 13.6. Society of Design convergence (December 2014):137-152.

Daemin Park, Gi-Nam Kim, Nam-Yong Kang, Bongwon Suh, Hyoji Ha, Byung-Won On, **"A news visualization based on an algorithm by journalistic values"** Journal of the HCI Korea Society 9.2. Human Computer Interaction KOREA (November 2014): 5-12

Hyoji Ha, Ginam Kim, Kyungwon Lee, **"A Study on Analysis of Affective Words in Movie Reviews and the Situation of Watching Movies"** Design convergence study 12.6. Society of Design convergence (December 2013):17-32.

International Conference

Hyoji Ha, Kyungwon Lee, **"A Taxonomy of Visualization Research Cases of Sentiment Analysis Data based on Visual Metaphors"** *Poster Abstract, IEEE VIS2020. IEEE (October, 2020)*

Hyeonsik Gong, Hyoji Ha, Kyungwon Lee, **"Interactive Radviz Visualization System Using Hierarchical Approach for Large-Multidimensional Data"** *Poster Abstract, IEEE VIS2020. IEEE (October, 2020)*

Terin Yoon, Hyunwoo Han, Hyoji Ha, Juwon Hong, Kyungwon Lee, **"A Conference Paper Exploring System Based on Citing Motivation and Topic"** *Shot-paper, IEEE PacificVis 2020. IEEE (June, 2020)*

Hyunwoo Han, Hyoji Ha, Jaejong Ho, Hyeonsik Gong, Junyup Hong, Soojung Lee, Juwon Hong, Kyungwon Lee, **"An Interactive Paper Summarization System through Topic Network Visualization"** *Poster Abstract, IEEE PacificVis 2020. IEEE (June, 2020)*

Terin Yoon, Hyunwoo Han, Hyoji Ha, Juwon Hong, Kyungwon Lee, **"A Paper-Search System to Identify Citation Networks and Motivations"** *Poster Abstract, IEEE VIS2019. IEEE (October, 2019)*

Hyunwoo Han, Terin Yoon, Hyoji Ha, Juwon Hong, Kyungwon Lee, **"Method for improving RadViz's navigation function based on focusing and filtering"** *Poster Abstract, IEEE VIS2018. IEEE (October, 2018)*

Hyoji Ha, Jihye Lee, Hyunwoo Han, Sungyun Bae, Suhyun Lim, Sangjoon Son, Changhyung Hong, Hyunjung Shin, Kyungwon Lee, **"A Visualization System to subdivide Dementia Diagnosis Stages"** *Poster Abstract, ISMB/ECCB 2017 (IEEE BIOVIS 2017). IEEE (July, 2017)*

Jihye Lee, Hyoji Ha, Hyunwoo Han, Sungyun Bae, Sangjoon Son, Changhyung Hong, Hyunjung Shin, Kyungwon Lee, **"Visual Analytics for Biomedical Cluster Subdivision: A Design Study with Psychiatrists"** *Shot-paper, Computer Graphics International 2017. ACM (June 2017)*

Hyoji Ha, Hyunwoo Han, Sungyun Bae, Jihye Lee, Sunjoo Bang, Sangjoon Son, Changhyung Hong, Hyunjung Shin, Kyungwon Lee, "**A Visualization System for Clustering Dementia Patients based on Automated Similarity Analysis**" *Poster Abstract, IEEE VIS 2016*. IEEE (October 2016)

Hyoji Ha, Hyunwoo Han, Sungyun Bae, Kyungwon Lee, "**A logo design tool based on procedural modeling of design elements**" *Poster Abstract, MCCSIS IHCI 2016*. IADIS-SCOPUS (July 2016)

Hyoji Ha, Seongmin Mun, Oh-Hyun Kwon, Kyungwon Lee, "**Proximity Based Circular Visualization for Similarity Analysis of UNGA Voting Patterns**" *Poster Abstract, IEEE Big Data Visual Analytics (BDVA) 2015*. IEEE (September 2015)

Hyoji Ha, Sungyun Bae, Hyunwoo Han, Kyungwon Lee, "**Logo Trend Visualization: Logo Design Shape Element Trend and Pattern Analysis**" *Poster Abstract, 8th International Symposium on Visual Information Communication and Interaction (VINCI'15)*. IEEE (August 2015)

Hyoji ha, Wonjoo Hwang, Sungyun Bae, Hanmin Choi, Hyunwoo Han, Gi-Nam Kim, Kyungwon Lee, "**CosMovis: Semantic Network Visualization by Using Sentiment Words of Movie Review Data**" *Full-Paper, IEEE Information Visualisation (iV'15)*. IEEE (July 2015)

Hyoji Ha, Ginam Kim, Wonjoo Hwang, Hanmin Choi, Kyungwon Lee, "**CosMovis: Analyzing Semantic Network of Sentiment Words in Movie Reviews**" *Poster Abstract, IEEE*

Symposium on Large-Scale Data Analysis and Visualization (LDAV 2014). IEEE (October 2014)

Ginam Kim, Hyoji Ha, Byung-Won On, Kyungwon Lee, Manjai Lee

"Bubble heap graphs" *Poster Abstract*, In *Proceedings of IEEE Information Visualization Conference (InfoVis' 13)*. IEEE (October 2013)

Patent

Kyungwon Lee, Hyoji Ha, Hyunwoo Han, Sungyun Bae, Jihye Lee, Sangjoon Son, Changhyung Hong, Hyunjung Shin, **Visualization Method And Apparatus For Multi-Dimensional Data** (1020170021701A). (June 2018)

Kyungwon Lee, Hyoji Ha, Ginam Kim, Wonjoo Hwang, Hanmin Choi, Hansung Kang, **Data Visualization Method And System Using Reference Semantic Map** (1017941370000). (October 2017)

Kyungwon Lee, Hyoji Ha, Hyunwoo Han, **Methods And Apparatus For Visualizing Hierarchical Information Of Comment Data** (1017308830000). (April 2017)

Kyungwon Lee, Ginam Kim, Hyoji Ha, **Data Visualization Method And System Using Comment Data For Objects** (101602898000). (March 2016)

Competition

Ginam Kim, Hyoji Ha, **Ecotourism 365**, 2013 DB Mashup Challenge 3rd Prize, Ministry of Future Creation and Science. (August 2013)

Lecture

Hyoji ha, **Graphic Design** (Illustrator tutorials for beginners step by step), Ajou University (2020)

Hyoji ha, **Information Design 2**, Sungshin Women's University
(September ~ December 2018)

Hyoji ha, **Graphic Design** (Illustrator tutorials for beginners
step by step), Ajou University (January 2018)

**Language
Skills**

Korean (Native), English, Japanese

NEW TEPS Score: 430

(Conversion Score: TOEIC 900, TOEFL 105)

Jul. 2018. Got 430 score on the Test of English Proficiency
developed by Seoul National University

TOEIC Score: 815

Aug. 2013. Got 815 score on the TOEIC Test by Educational
Testing Service(ETS) in Ajou Univ.

**Computer
Skills**

Graphics Software: Illustrator, Photoshop, Flash, InDesign,
PremierPro

Visualization Software: UCINET6, E2D3, Tableau

Statistical Software: SPSS, R

Physical Computing: Arduino

Programming: HTML, CSS, Processing, D3.js, Java
