Jini Kim

M.S. at KAIST | Human-Computer Interaction Researcher

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EDUCATION

2023 Fall -
Pittsburgh, USA

Carnegie Mellon University, Pittsburgh, PA, USA
Ph.D. in Human-Computer Interaction
School of Computer Science
- Advisors: Jodi Forlizzi & Hong Shen

2022
Daejeon, Korea

Korea Advanced Institute of Science & Technology (KAIST), Daejeon, Korea
M.S. in Industrial Design (Specialization : Human-Computer Interaction)
- Advisor: Ki-Young Nam
- Thesis Committee: Sangsu Lee, Changhee Lee
- GPA: 4.08/4.3

2020
Pohang, Korea

Handong Global University (HGU), Pohang, Korea
B.S. in Information and Communication Technology Convergence (ICT)
B.S. in Product Design (Specialization : UX Design)
- Total GPA : 4.21/4.5 | Major GPA : 4.39/4.5 | Magna Cum Laude
- Honors: Academic Excellence Scholarship for 5 semesters (Top 1%)

RESEARCH INTERESTS

Human–AI Interaction, Human-Centered AI, Design Research, Crowdsourcing, Social Computing

PUBLICATIONS

[1] **ThinkWrite: Design Interventions for Empowering User Deliberation in Online Petition**
Kim J., Kim C., Nam K.
CHI 2022 Late-breaking Work.

[2] **Service Design Strategies for Seamless EV Charging Experience**
Kim J., Kim J., Jang J., Choi J., Nam K.
KSDS 2020

[3] **Study of Voice-Based Crowdsourcing Platform for the Enhancement of Self-support for the Visually Impaired**
Kim J., Song G.R., Kim H., Kim E., Lee W.
AHFE 2019

RESEARCH EXPERIENCE

Mar 2020 -
Daejeon, Korea

Designize Lab, Korea Advanced Science & Technology (KAIST)
  • Advisor: Prof. Ki-Young Nam
  • Thesis Committee: Ki-Young Nam, Sangsu Lee, Changhee Lee

Mar 2019 - Dec 2019
Pohang, Korea

UX Design Research collaborated with LG Electronics R&D
  • Advisor : Prof. Eunjong Lee

Jul 2018 - Jul 2019
Pohang, Korea

Human-Computer Interaction Lab, HGU
  • Undergraduate Researcher
  • Advisor: Prof. Won-sup Lee

Jan 2019 - Feb 2019
Pohang, Korea

Ergonomic Design & Technology Lab, Pohang University of Science and Technology (POSTECH)
  • Research Intern at Dept. of Industrial and Management Engineering
  • Advisor : Prof. Heecheon You

Jul 2018 - Aug 2018
Seoul, Korea

User Experience Lab, Seoul National University (SNU)
  • Research Intern
  • Advisor: Prof. Joong-Seek Lee

Mar 2018 - Feb 2020
Pohang, Korea

The Answer (UX Design group), HGU
  • Advisor : Prof. Eunjong Lee

Jun 2017 - Jul 2018
Pohang, Korea

Design Lab, HGU
  • Undergraduate Researcher
  • Advisor: Prof. In-Wook Choi

RESEARCH PROJECTS

Sep 2022 -

Development of Crowd-sourcing System for the Local Sharing of Social Resources
  • Funded by KAIST, working as a UX Researcher

May 2021 -
Daejeon, Korea

Design Interventions for Empowering User Deliberation in Online Petition Platform
- M.S. Research Thesis, KAIST
- Published in CHI 2022 LBW (Kim J., Kim C., Nam K.)

Developing Deliberation Augmented AI-Infused Civic Participation Platform using BERT
- Funded by Exploratory Research Program, KAIST

Jun 2020 - Jun 2021

Innovating Classroom Desks to Improve Student Experience in Future Classrooms
- Funded by YESEM & KAIST

Sep 2021 - Dec 2021

What Matters the Most? Investigating the Gap Between Consumers and Companies with Term-based Sentiment Analysis
- Analyzed text data with NLP methods (TF-IDF, Sentiment Analysis) to compare the company's web landing pages (Apple, Huawei, Samsung) & customer reviews
- Identified companies' unique selling propositions (USP) and marketing strategies

Mar 2020 - Dec 2020

Public Display Design Strategies for Passive Citizen Engagement in Civic Activities
- Funded by Korea Land and Housing Corporation (LH) Social Venture

Mar 2020 - Jun 2020

Design Guidelines for Building AI Chatbots in Online Museum
- KAIST User Centered Design Methodology Class Research

Mar 2019 - Feb 2020

Service Design Strategies for Seamless EV Charging Experience
- UX Design Research, collaborated with LG Electronics R&D
- Published in KSDS 2020 (Kim J., Kim J., Jang J., Choi J., Nam K.)

Sep 2018 - Apr 2019

Development of a Community Mapping App for the Non-Ambulatory
- Funded by Korea Telecom (KT)
- The Answer (UX Design group), HGU

Jan 2019 - Feb 2019

Data Collection and Analysis of Korean Faces for Samsung Mask Design
- Research Intern, Ergonomic Design & Technology Lab, POSTECH

Jul 2018 - Aug 2018

Development of a Conversational AI Chatbot Framework for the Arts and Tourism Contents
- Funded by Korea Creative Content Agency
- User Experience Lab, SNU

Aug 2017 - Mar 2018 **Development of Voice-based Crowdsourcing Platform for the Enhancement of Self-support for the Visually Impaired**
- Published in AHFE 2019 (Kim J., Song G.R., Kim H., Kim E., Lee W.)
- Human-Computer Interaction Lab, HGU

Aug 2017 - Jul 2018 **A Study on the Development of VR Education Contents for the Mentally impaired**
- Design Lab, HGU

ACADEMIC SERVICES

Reviewer : CHI 2022

AWARDS & HONORS

Oct 2021 **Grand Prize in MTS UX / HCI Heuristic Evaluation Competition**, Shinhan Investment
- Heuristic report about UX / HCI Mobile Trading System (MTS) improvement

2020 Dec - 2021 Oct **Service Designer Expert**, Korean Government
- Building Policies for Young Single-person Households Project
- Start-up Incubating Programs based on Urban Regeneration Project
  - Funded by Daejeon Metropolitan City Daedeok District, Korean Government

Oct 2021 **Top 3 in House Price Prediction Challenge Competition, Kaggle**, KAIST
- KAIST Data Mining Course in the Dept. of Computer Science
House Price Prediction challenge in Kaggle by using machine learning models

Jul 2020 **James Dyson International Design Competition**, James Dyson Award
- National Runner-up 2020
  - Vortex Laundry: Water-powered Laundry Kit for LEDC

Feb 2020 **Magna Cum Laude, Graduated with Honors**, HGU
- 4.21/4.5 (Overall), 4.39/4.5 (Major)

Aug 2015 - Feb 2019 **Top 1% Academic Excellence Scholarship**, HGU
- Top 1% Academic Excellence Scholarship
- Awarded for five consecutive semesters

Nov 2018 **Software Festival - Excellence award**, HGU
- Developed a Community Mapping App for the Non-Ambulatory

TEACHING EXPERIENCE

Teaching Mentor for Start-ups, KAIST
- Mentoring sessions about Customer Experience & Design Thinking for 10 start-ups

Teaching Assistant, KAIST
- Introduction to Basic Design and Practical Skills

Teaching Assistant, HGU
- Human-Computer Interaction
- Create lecture materials for Human-Computer Interaction Course

Teaching Volunteers, HGU
- Mentored high school students in pre-major camps
- Introduction to basic computer programming skills with Scratch

Teaching Assistant, HGU
- Programming I (Python Programming)
- Leading Q&A sessions

SELECTED COURSES

Programming

- Web Programming (GCS10003), Web Service Planning and Practicum (SIT32006), Introduction to ICT Application (GCS10002), Programming I (CCE20003 – **Python & Data Structures**), Programming II (SIT22005 – **C++ Programming & Object-Oriented Design**), C-Programming (ECE10002)

- Introduction to Data Science (SIT22003), Data Mining and Knowledge Discovery (KSE525), Big Data Analytics Using R (CS564), Data Analytics for Designers (ID430), Research Methodology (ID502 - **Statistics for Quantitative Research**)

HCI & UX Design

- Human Computer Interaction (SIT32002), Kansei & Cognitive Engineering (SIT32003), Human-Centered Design (IID30068), UX Design (IID50019), User Centered Design Methodology (ID508), Managing Design Innovation for Business Technology & Society (ID830), Design Research and Planning I (IID30078) & II (IID30079), Capstone Design I & II (UX Design research)

Design Skills

- Fundamentals of Computer Graphics (GCS20008), Introduction to Visual Media (SIT22007 - Maya), Computer Graphic Design 1 (IID20055) & Computer Graphic Design 2 (IID20057)

LICENSE

Sep 2021   **Advanced Data Analytics Semi-Professional** (Korea Data Agency)
- Nationally Accredited License, Semi-Professional
- License Number : 030008046

LANGUAGE PROFICIENCY

English (Professional Proficiency)
Korean (Native)

SKILLS

Qualitative Methodologies
Ethnographic Methods • User Research • User Interview • Wireframes • Participatory Design • Prototyping • Personas • User Stories • Scenario-based Design • Usability Testing • A/B Testing.

Quantitative Methodologies
Survey Design • Experiment Design • Statistical Analysis • Modeling

Programming
Data : Python • R (tidyverse, dplyr, ggplot2) • SPSS • C • C++
Software: HTML • Node.js • CSS • JavaScript

Design Tools
Adobe XD • Figma • Sketch • Adobe Photoshop • Adobe Illustrator • Adobe After Effects • Protopie • Rhino