

# Hwaseong Lee

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## EDUCATION

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### North Carolina State University – NC, United States

- College of Design. Phd Student

Sep. 2023 - Present

### Hanyang University – Seoul, Korea

- Design of architecture. MDS

Sep. 2016 - Feb. 2018

### Hanyang University. Erica – Ansan, Korea

- Architecture, B.Arch

Mar. 2012 - Aug. 2016

GPA 3.51 / 4.0 (Undergraduate School), 3.88 / 4.0 (Graduate School)

## PROFESSIONAL EXPERIENCE

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### Republic of Korea Army, professional research personnel

- Haenglim Architecture and Engineering

Mar. 2018 – Mar. 2020

## EXHIBITION

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### Haenglim design office exhibition

*A workshop was held at the Haenglim Design Office to shape human consciousness by making various patterns and models using 3D printers. During my military service, I made models using various program tools and materials and helped prepare for exhibitions.*

- Haenglim design office / <https://www.instagram.com/haenglimshop/>

Jul. 2019

### Exhibition at the annual Convention, Shannxi Province, China

*As an MOU was signed between the Korean Institute of Architecture and the Chinese Institute of Architecture, the works of Korean and Chinese students were exhibited at the annual event hosted by the China Institute of Architecture Education. At this time, my graduation work was selected and submitted.*

- ASC Sub-institute / prof. Kim Yongseung

Mar. 2017

### Graduation exhibition

*As an MOU was signed between the Korean Institute of Architecture and the Chinese Institute of Architecture, the works of Korean and Chinese students were exhibited at the annual event hosted by the China Institute of Architecture Education. At this time, my graduation work was selected and submitted.*

- Hanyang university / First prize

Aug. 2016

## PROJECTS

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### 1. UNDERGRADUATE PROJECT

#### Urban Planning and Construction of Community Center Regeneration. Sejong

*It is an urban regeneration project in the countryside where people have stopped visiting and aging has progressed. By determining the location in the city and planning pavilions, the city was given vitality and a local community center was designed. Considering a way to harmonize without conflicting with the existing functions of the city, it was linked with the surrounding situation.*

Jul. 2016

- Korean Institute of Rural Architecture competition / Selected

#### Cultural Community Center. Seoul

*The purpose of this project was to regenerate the local community by planning a community center in an underdeveloped Chinatown located in Seoul. Considering the proportion of the site and the surrounding buildings, a mega-structure was proposed without awkwardness and various programs were planned.*

Spring Semester. 2016

- Hanyang University Graduation Exhibition / Grand Prize
- Exhibition at the annual Convention, Shannxi Province, China
- Korea Architecture competition / 3<sup>rd</sup> prize

#### Public Library Remodeling for vitalization of local community. Seoul

*It was rare for citizens to visit except for the nearby residents because the city remained undeveloped, despite having beautiful city views and great mountains. Unfortunately, although the library was built in 1981, the interior space was full of bookshelves, therefore, the library did not have a function other than borrowing materials. Then, seeing the library in front of the magnificent retaining wall, I tried to embody waves of raindrops in the space. I hoped to breathe life into the hard and crude library surroundings with a soft space. While working on this project, I learned the change of social function and space program of contemporary libraries and the possibility of revitalizing the local community by accepting cultural requirements of local residents.*

Fall Semester. 2015

## 2. SPACE ANALYSIS LABORATORY & RESEARCH

### A study on the development of a 'Small library' building guideline

Jun. 2017 – Feb. 2018

In Korea, a Small library is defined as a library with a size of more than 33 m<sup>2</sup>, more than six reading seats, and more than 1,000 books. In this study, the researchers calculated the appropriate area of the library by monitoring the arrangement and status of small libraries in the city considering the accessibility.

- National Research Foundation of Korea

### Research on construction feasibility and basic plan of Busan War Memorial

Mar - Dec 2017

It was basic plan and feasibility study for the construction of a war memorial that collects historical data related to war. I planned a way to induce visits from local residents by linking the architecture with the UN Memorial Park near the site as a memorial space.

- The War Memorial of Korea / The researcher of Korean Institute of Culture Architecture

### A study of the spatial configuration by the user behavior investigation in Korean public library

Jun.2016 - Dec. 2017

-Focus on the seven central libraries in Gyeonggi-do

Accordingly, the study seeks to find the characteristics of spatial configuration in the recent libraries, using the method of user behavior investigation on the selected public libraries. The chosen libraries had experienced the functional alteration in spatial configurations from data-centered to user-centered. Also, they had reflected the cultural requirements of the local residents in their spatial composition.

- Master's Dissertation

### Research on the construction plan of Saemangeum Museum

Dec. 2015 - May. 2016

The purpose of this project was to plan a museum that exhibits the history, culture, and future vision of Saemangeum, which has changed due to reclamation. As a team leader in this project, I had a meeting with the person in charge and worked on the building plan and exhibition plan.

- Saemangeum Development and Investment Agency / The researcher of Korean Institute of Culture Architecture

### Research on the basic concept for the construction of National Railway Museum

Jun - Dec. 2014

It analyzed the construction conditions of the National Railroad Museum. This project established exhibition and operation methods through spatial and economic analysis.

- Ministry of Land, Infrastructure and Transport / The researcher of Korean Institute of Culture Architecture

### Research on National Museum of Women's History Establishment and Content Development

May - Nov. 2014

The purpose of this project is to devise a museum construction plan and exhibition plan to communicate the process of acquiring women's human rights and social rights to the audience in solidarity. In this project, I organized the area composition ratio of the museum through a case study. Secondly, I calculated and presented the appropriate area. Lastly, I studied the most efficient exhibition plan for the area and suggested alternatives.

- Undergraduate research student
- Ministry of Gender Equality and Family / The researcher of Korean Institute of Culture Architecture

## 3. COMPANY PROJECT

### Advanced High-Tech Vehicle Cluster Development Business detail design, Siheung

Jun. 2021 – Dec. 2022

V-City is a place that celebrates the endless concept of human dreams and the freedom of realization. In addition, V-City is a place that satisfies the endless human desire for movement by presenting the vehicle and its environment as a lifestyle platform. I investigated the scale and design of streets where various behaviors can appear after case studies of the recently planned resident-friendly master plans. Also, I designed the urban plaza and open spaces that can improve the quality of life of citizens by referring to various related studies.

- Siheung City Hall / The employee of Haenglim Architecture and Engineering

### City Main Library, Gwangju

Jan. 2021 - Jan. 2022

Our team won a competition with Branislav Redic (ARCVS), a Serbian architect, and proceeded with the detailed design. I investigated the area composition ratio of the space program of the recently built public library and emphasized that the library should be a healing and resting place for local residents. Redic listened to my argument, and this insight was reflected in the building's reading room

- Gwangju Metropolitan City / The employee of Haenglim Architecture and Engineering

### Government Community Center, Guri

Feb. 2019 – Mar. 2020

The project planned a cultural welfare center for the residents of the planned new city. As the team leader of this project, I participated in the overall process and coordinated the project by negotiating with the official.

- The Guri City Hall / The employee of Haenglim Architecture and Engineering

### District prosecutor's office, Uijeongbu

Feb – Jul. 2019

The project designed the prosecutor's office located adjacent to the previous project. Based on my experience in designing courts, I took charge of the drawing work.

- Supreme Court of Korea / The employee of Haenglim Architecture and Engineering

### District Court, Uijeongbu – Branch Court of Namyangju

Jan. 2018 - Jul. 2019

The purpose of the project is to design a court that communicates with users. Through this project, I grasped the overall process of detailed design, prepared detailed architectural drawings, and made 3D modeling.

- Court Administration Office / The employee of Haenglim Architecture and Engineering

## Knowledge industrial center office building, Guro – Competition

Aug. 2018

*On this project, one of the priorities was that site plan maximizes the economy and terrains of the given site, placing many devices that could bring in both the surrounding green environment and potential users from the adjacent residential blocks. I learned how to make realistic design proposals by experiencing corporate competitions that are different from student competitions.*

- SK E&C / The employee of Haenglim Architecture and Engineering

## PRESENTATION

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### A Study on the Space Organization by the User's Behavior in Korea Public Library

Oct. 2017

*The purpose of this study is to discover that the spatial composition of public libraries is changing according to the cultural needs of users. I paid attention to the behavior and use status and announced that the proportion of behaviors such as communication with others, taking a break, or experiencing cultural programs affects the revisit rate of the library.*

- Architecture & City / Academic presentation competition / Architectural Institute of Korea

### An Analysis of the Characteristics and Transformation of Public Library Space

Apr. 2017

*The purpose of this study is to compare the characteristics of public libraries and discover the changes in the interior space. The libraries to be investigated are six city central libraries in Japan with an area of more than 8,000 m<sup>2</sup>. I presented that the interior space of the recently built public library has increased the proportion of exchange space for events and educational programs for citizens.*

- Architecture & City / Academic presentation competition / Architectural Institute of Korea / Excellent paper

### A Study on Urban Regeneration by Planning Public Spaces

Oct. 2016

*The purpose of this study is to discover that the spatial composition of public libraries is changing according to the cultural needs of users. I paid attention to the behavior and use status and announced that the proportion of behaviors such as communication with others, taking a break, or experiencing cultural programs affects the revisit rate of the library.*

- Architecture & City / Academic presentation competition / Architectural Institute of Korea

## PUBLICATION

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### Study of The User Behavior According to The Spatial Composition in Korean Public Libraries for The Revitalization of The Local Community

May. 2022

*By observational investigation, the study analyzed the relationships between user behavior and spatial qualities of public libraries. The findings emphasize two major spatial changes. One is that the chosen libraries had experienced the functional alteration in spatial configurations from data-centered to user-centered. The other is that public libraries had reflected the cultural requirements of the local residents in their spatial composition. The study expects to be used for architectural planning and further research of public libraries.*

- Journal of The Korean Institute of Culture Architecture No.78(2), pp.13-20
- Print ISSN: 1738-818X / Online ISSN 2734-0716

## SCHOLARSHIP

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Outstanding Student Scholarship – Hanyang University

Mar. 2014

Outstanding Student Scholarship – Hanyang University

Mar. 2012

## SKILLS

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**Graphic Designs Tools** - Adobe Photoshop, Illustrator, InDesign, AutoCAD, PowerPoint, Excel

**Three-Dimensional Graphic Design Tools** - Rhinoceros, Sketch up, Lumion, Grasshopper

**Research Analysis Tools** - QGIS, ArcGIS

## AWARDS

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**Korea Rural Architecture Competition**

Dec. 2016

- Semi-Final Pick / Korean Institute of Rural Architecture

**Gyeonggi Architecture Culture Competition**

Nov. 2016

- Third prize / Korea Institute of Registered Architects

**Architecture & City academic presentation competition**

Sep. 2016

- Excellent paper / Architectural Institute of Korea

**Graduation work exhibition**

Aug. 2016

- First prize / Hanyang university

## LANGUAGE

English (Fluent), Korean (Native), Japanese (Fluent)

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## QUALIFICATION

TOEFL Scored 105 (My best score 109)

Mar. 2020

## ACTIVITIES

### House Repair Volunteer - Dasomhousing welfare foundation, Korea

<http://www.dasomhouse.kr/>

*Dasomhousing Welfare Foundation was established in November 2007 to continuously promote home improvement projects for the vulnerable, such as the elderly, handicapped and multicultural families living without support in rural areas. This organization, together with the Korean Institute of Rural Architecture, recruited volunteers from high school and college students and regularly held volunteer programs to repair underdeveloped rural dwellings.*

- Coal briquette warehouse construction (Jun – Jul. 2014) / Because the distance between the existing warehouse and the living space was inconvenient to use briquettes, my team members built a new warehouse using bricks.
- Insulation Reinforcement / Handrail Installation (July. 2013) / After removing the moldy 10T old insulation, our team members installed new insulation. Focusing on accident prevention for the disabled and elderly parents, I helped with the installation of handrails on the stairs.
- Constructing a toilet (Jun. 2012) / I got rid of the existing old toilet and made a new one and served as the team leader.
- Building a slope (Jun. 2011) / I planned and installed a slope for wheelchairs for disabilities and the older.
- Wall covering replacement (Jun. 2009 & Jun. 2010) / I contributed to removing the old wallpaper and replacing it with an eco-friendly and pleasant wallpaper.

## INTERNATIONAL EXPERIENCES

### Living experience

- Japan 1993 - 2016
  - Tokyo, Kyoto, Nara, Osaka, Fukuoka, Kanazawa and Hokkaido
  - Living in TOKYO / Graduated from elementary school

### Exchanging program

Jul. 2015 - Dec. 2015

- National University Singapore - Singapore

### Traveling

- Spain Dec. 2017
  - Barcelona, Madrid, Toledo, Segovia and Sevilla
  - Family trip to commemorate my master's graduation.
- United states Dec. 2016
  - Los Angeles, Las Vegas and San Francisco
  - After winning the prize, I traveled to the western United States for 11 days with the prize winners and the staff of the Korean Institute of Architects.
- Canada Dec. 2016
  - Vancouver
- Southeast Asian countries Jul - Dec. 2015
  - Malaysia, Indonesia, Vietnam, and Thailand