

## Jaeyoung Ha, Ph.D.

### Assistant Professor of Landscape Architecture Program, School of Design

College of Architecture, Arts, and Design

Virginia Tech

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Google scholar: <https://scholar.google.com/citations?user=IEGfWrwAAAAJ&hl=en&oi=ao>

## EDUCATION

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- December 2022    **Ph.D., Environmental Design and Planning**: Landscape Architecture and Regional & Community Planning, Kansas State University  
Dissertation: Linking Spatial Characteristics of Urban Green Space and Mental Well-being: Green Space Biodiversity and Landscape Spatial Patterns
- February 2018    **MLA, Landscape Architecture: Urban Design Concentration**, Seoul National University  
Thesis: A study on crowd congestion in an urban plaza event: A case study of a candlelight rally in Gwanghwamun Square
- February 2013    **BS, Landscape Architecture**, Pusan National University

## ACADEMIC APPOINTMENT

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- 2022 - Present    **Assistant Professor (Tenure-Track)**, Landscape Architecture Program, School of Design, College of Architecture, Arts, and Design, Virginia Tech
- 2022 Spring    **Research Mentor**, Natural Resources and Environmental Sciences (NRES), Kansas State University
- 2021-2022    **Graduate Research Assistant**, Department of Landscape Architecture and Regional & Community Planning, Kansas State University
- 2020-2021    **Instructor**, Department of Landscape Architecture and Regional & Community Planning, Kansas State University
- 2021 Summer    **Research Assistant**, Lee Kum Sheung Center for Health and Happiness Harvard T.H. Chan School of Public Health, Harvard University
- 2018-2021    **Graduate Teaching Assistant**, Department of Landscape Architecture and Regional & Community Planning, Kansas State University
- 2016-2017    **Graduate Research Assistant**, Department of Landscape Architecture, Seoul National University

## PROFESSIONAL APPOINTMENT

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- 2013-2016    **Landscape Architect and Urban Planner (Licensed Landscape Architect in Korea)**, Dohwa Engineering, Department of City Planning and Landscape Architecture & Leisure (\*Nationally ranked, #1 multidisciplinary firm in South Korea).

## PUBLICATIONS

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### Peer-reviewed journal articles

**Ha, J., Kim, H. J., & Alam, M. L. (2025).** Linking Visual–Auditory Cues to Restoration: The Mediating Role of Perceived Biodiversity. *International Journal of Environmental Research and Public Health*.

<https://doi.org/10.3390/ijerph22081267>

Choi, D. H., Darling, L. E., **Ha, J.**, Shao, J., Song, H., Fei, S., Hardiman, B. (2025). Understanding the effects of spatial scaling on the relationship between urban structure and biodiversity. *International Journal of Applied Earth Observation and Geoinformation*.

<https://doi.org/10.1016/j.jag.2025.104441>

**Ha, J.,** Choi, D. H., & Darling, L. E. (2024). Is the spatial distribution of urban green space associated with crime in Chicago?. *Urban Forestry & Urban Greening*.

<https://doi.org/10.1016/j.ufug.2024.128282>

**Ha, J.,** Alrayyan, K., & Alam, M. L. (2024). Virtual reality technology for learning detailed design in landscape architecture. *Discover Education*, 3(1), 39.

<https://doi.org/10.1007/s44217-024-00123-9>

**Ha, J.,** Ogle, T., & Alam, M. M., (2024). Implementation of Augmented Reality in Landscape Architectural Education: Enhancing Understanding of Three-Dimensional Space, *Journal of Digital Landscape Architecture*

[doi:10.14627/537752083](https://doi.org/10.14627/537752083)

Alam, M. L., Skabelund, L. R., Rice, C. W., Lin, J. S., & **Ha, J** (2024). Investigating the climate mitigation performance of a green roof system in the Flint Hills Ecoregion, USA. *Journal of Living Architecture*

<https://doi.org/10.46534/jliv.2023.11.01.001>

**Ha, J** and Kim, H, and, With, K (2022). \*\*Urban green spaces alone are not enough: A landscape analysis linking the spatial distribution of urban green space to mental health, *Landscape and Urban Planning*.

<https://doi.org/10.1016/j.landurbplan.2021.104309>

**\*\* A top cited paper, *Landscape and Urban Planning (Top 1% Journal in Urban Studies)*, one of the top 8 most cited papers published since 2022**

**Ha, J** and Kim, H (2021). The restorative effects of landscape biodiversity: Assessing visual and auditory perceptions among university students, *Urban Forestry & Urban Greening*.

<https://doi.org/10.1016/j.ufug.2021.127259>

**Ha, J** and Kim, S (2017). Congestion patterns found in a massive rally in a square: With a case study on the candlelight rally in Gwanghwamun Square, *Journal of the Urban Design Institute of Korea*

### Conference Proceeding Paper

Zhao, J. & **Ha, J.**, (2025). From Abandonment to Regeneration: Landscape Agents in Post-Industrial Site Transformation, *Landscape Research Record*. Conference Proceeding Paper

### Conference Presentation

**Ha, J.,** Polys, N., Sample, D., & Clements, T. (2025). The community's perception of local flooding in Downtown Roanoke. Engagement Scholarship Consortium International Conference. Roanoke, VA, USA

**Ha, J.,** Kim, H. J., & Alam, M. M. L. (2025). A multisensory approach to perceived biodiversity and restorative environments. In Council of Educators in Landscape Architecture. Portland, OR, USA

Jahani, N., Lee, S., & Ha, J. (2025). Association between the spatial distribution of green spaces and asthma hospitalization: A case of Connecticut. Poster session presented at the meeting of Council of Educators in Landscape Architecture. Portland, OR, USA [Poster]

Ha, J., Ogle, T., & Alam, M. M., (2024). Implementation of Augmented Reality in Landscape Architectural Education: Enhancing Understanding of Three-Dimensional Space, Digital Landscape Architecture Conference, Vienna, Austria (Online Presentation)

Ha, J., Alrayyan, K., & Alam, M. M.. (2024) Enhancing the learning of landscape design details through virtual reality, Council of Educators in Landscape Architecture (CELA), St. Louis, MO, USA

Alam, M. L., Etheridge, R., Skabelund, L., Whittinghill, L., Massarra, C., Ha, J., Peralta, A., & Behm, M., (2024). Testing green roof systems to support urban cooling and flood-related disaster management in Eastern North Carolina, USA, Council of Educators in Landscape Architecture (CELA), St. Louis, MO, USA

Zhao, J., Yang, Jun., & Ha, J., (2024). From Abandonment to Regeneration: Landscape Agents in Post-Industrial Site Transformation, Council of Educators in Landscape Architecture (CELA), St. Louis, MO, USA [Poster]

Choi H., Lindsay L., Ha J., Shao J., Song H. & Hardiman B. (2023). Scale Dependency of Canopy Structure on Bird Diversity in Urban Areas. In *The Ecological Society of America*. Portland, Oregon, USA [Poster]

Ha, J and Choi, H (2023), The relationship between the spatial distribution of urban green space and crime in the city of Chicago, *Council of Educators in Landscape Architecture (CELA)*, San Antonio, TX, USA

Alam, M. M., Skabelund, L. R., Rice, C. W., Todd, T. C., Lin, J., Ha, J., Decker, A (2021). Climate Change Mitigation Potential of Green Roofs: Quantifying a green roof's capacity to sequester carbon in the Flint Hills Ecoregion, *CitiesAlive Virtual 2021 Conference*.

Ha, J and Kim, H (2021). The Relationship between Landscape and Mental Health: Single Large Versus Several Small Green Spaces, *The Environmental Design Research Association (EDRA) EDRA52 Detroit*. University of Detroit Mercy and Wayne State University.

Ha, J and Kim, H (2021). The restorative effect of landscape biodiversity by the visual and auditory exposure using VR display technology, *Council of Educators in Landscape Architecture (CELA) 100+1 | RESILIENCE Conference 2021. Virtual*.

Choi, H, Ha, J, Lee, S and Song, Y (2021). Impacts of changes in 3D urban morphologies on the land surface temperature using bi-temporal airborne laser scanning, *Council of Educators in Landscape Architecture (CELA) 100+1 | RESILIENCE Conference 2021. Virtual*.

Ha, J and Kim, H (2021). Does campus biodiversity matter for students' psychological wellbeing? *The annual Capitol Graduate Research Summit (CGRS)*, Topeka, Kansas, USA

Ha, J and Kim, H (2020). Does campus biodiversity matter for students' psychological wellbeing? *Research and State, Manhattan, Kansas*, USA

Ha, J and Kim, S (2017). A study on the urban and spatial characteristic of crowded area in a massive rally: A case study of candle rally in Gwanghwamun Square, Spring Conference, *Urban Design Institute of Korea (UDIK)*, Incheon, South Korea.

## Research report

Kim, Y, Cho, S, Song, Y, Kim, S, Kim, M, Kim, P, Kim J, Lee, J, Lee, H, Jeong, J, Jae, J, Choi, H, Ha, J, Han, C (2019), Urban design strategies for sustainable smart city, Architecture & Urban Research Institute.

## Manuscript under review, in preparation

Ha, J., Polys, N, Sample, D, Clements, T. Immersive virtual environment designed for flood risk communication. In preparation for

*Landscape and Urban Planning.*

**Ha, J.,** Jang, G., & Cho, H. Exploring green space morphology and thermal comfort in waterfront areas. In preparation for *Landscape and Urban Planning.*

Xu, J., & **Ha, J.** Blue space and green space biodiversity and mental health. In preparation for *Landscape and Urban Planning.*

Jahani, N., Lee, S., & **Ha, J.** Association between the spatial distribution of green spaces and asthma hospitalization: A case of Connecticut. In preparation for *Urban Forestry & Urban Greening.*

## RESEARCH PROJECTS

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### Virginia Tech

2025 - Present      **Enhancing Student Mental Health Through Campus Green Space: Design and Implementation of a Nature Prescription Program**  
 Research funded by: Institute for Society, Culture, and Environment, Virginia Tech  
**Role: Principal Investigator**

2025 - Present      **Does urban green space mitigate emergency department cases during heat waves?**  
 Research funded by: Environmental Institute, University of Virginia (UVA)  
**Role: Investigator**

2024 - Present      **Immersive virtual environment designed for flood risk communication**  
 Research funded by: Institute for Creativity, Arts, and Technology, Virginia Tech  
**Role: Principal Investigator**

2023-2024          **Augmented Reality for Enhanced Learning in Landscape Architecture Design**  
 Research funded by: Virginia Tech Library  
**Role: Principal Investigator**

2022-2023          **Enhancing landscape material and structure education through virtual reality**  
**Role: Principal Investigator**

### Kansas State University

2021-2022          **Pilot study and workshop for enhancing rural-to-urban disaster resilience by integrating social, spatial and digital networks**  
 Research funded by: National Science Foundation (\$149,813)  
 PI: Dr. Kim / CO-PI: Dr. Amariuca from Computer Science / CO-PI: Dr. Natarajan from Electrical and Computer Engineering  
**Role: Graduate Research Assistant**  
 Develop survey instrument and collecting and managing data  
 Statistical analysis / writing manuscript

2021-2022          **The application of augmented reality (AR) GIS in research and education**  
*PI: Dr. Kashem*  
**Role: Graduate Research Assistant**  
 Literature review  
 Writing and revising manuscript

### Harvard University

2021 Summer      **Cities for Well-being**  
 Research funded by: Lee Kum Sheung Center for Health and Happiness at Harvard University  
 Host Advisor: Professor Whitney / Dr. Nogueira)

**Role: Research Assistant**

Proposed a regeneration plan for the wellbeing of citizens in five post-industrial cities

<https://www.hsph.harvard.edu/d-lab/who-we-are/>**RESEARCH GRANTS**

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**Funded**

- 2025
- AAD Faculty Initiated Research Grant**  
Research funded by: Architecture, Arts, and Design, Virginia Tech  
Amount: \$5,000  
Contribution: 100%
- Spark Grant Program**  
Research funded by: Environmental Institute, University of Virginia (UVA)  
Amount: \$30,000  
Contribution: 0%
- Institute for Society, Culture, and Environment Unsolicited Request**  
Research funded by: Institute for Society, Culture, and Environment, Virginia Tech  
Amount: \$6,000  
Contribution: 100%
- 2024
- Institute for Creativity, Arts, and Technology, Major SEAD Grant**  
Research funded by: Institute for Creativity, Arts, and Technology, Virginia Tech  
Amount: \$22,500  
Contribution: 100%
- 2023
- Virginia Tech University Library Collaborative Research Grant**  
Research funded by: Virginia Tech Library  
Amount: \$5,000  
Contribution: 100%
- 2022
- Scholarship of Teaching and Learning Grants**  
Research funded by: The Center for Excellence in Teaching and Learning, Virginia Tech  
Amount: \$1,500  
Contribution: 100%
- 2021
- PI, Arts, Humanities & Social Sciences Small Grant Program, "The Effect of Landscape Biodiversity on Mental Health Among College Students",**  
Research funded by: Graduate School Council, Kansas State University  
Amount: \$1,000  
Contribution: 100%

**Rejected**

- 2025
- The Engaged Scholarship Research / Creative Activities Grant Program**  
Research funded by: Engagement Scholarship Consortium  
Amount: \$5,000  
Contribution: 100%
- The Institute for Society, Culture, and Environment (ISCE) Scholars Program**  
Research funded by: Institute for Society, Culture, and Environment, Virginia Tech  
Amount: \$25,000  
Contribution: 100%

- 2024      **Bob Cardoza CLASS Fund Research Grant 2024-2025**  
Research funded by: CELA  
Amount: \$25,000  
Contribution: 100%
- Destination Areas 2.0 Projects**  
Research funded by: Office of the Executive Vice President and Provos, Virginia Tech  
Amount: \$25,000  
Contribution: N/A
- Climate Change and Human Health Seed Grants program**  
Research funded by: The Burroughs Wellcome Fund  
Amount: \$50,000  
Contribution: 40%

## TEACHING EXPERIENCE

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### Virginia Tech

- 2025 Fall      **Instructor**  
LAR 5124 Graduate Landscape Architecture Resilient Site Design  
Develop course curriculum, lecture, and assignments
- Instructor**  
LAR 4254/5254 Landscape Architecture Theory  
Develop course curriculum, lecture, and assignments  
Organize group discussion  
Lecture design theories relevant to landscape architectural design and related work
- Instructor**  
LAR 4094 Senior Project  
Advise undergraduate students on their senior thesis projects
- 2025 Spring      **Instructor**  
LAR 3164 Design in Detail: Materials, Structures, Details  
Develop course curriculum, lecture, and assignments
- Instructor**  
LAR 4094 Senior Project  
Advise undergraduate students on their senior thesis projects
- 2024 Fall      **Instructor**  
LAR 3164 Design in Detail: Materials, Structures, Details  
Develop course curriculum, lecture, and assignments
- Instructor**  
LAR 4254/5254 Landscape Architecture Theory  
Develop course curriculum, lecture, and assignments  
Organize group discussion  
Lecture design theories relevant to landscape architectural design and related work
- Instructor**  
LAR 4094 Senior Project  
Advise undergraduate students on their senior thesis projects
- 2024 Spring      **Instructor**

LAR 3044 Land Analysis and Site Planning  
Develop course curriculum, lecture, and assignments

**Instructor**

LAR 3164 Design in Detail: Materials, Structures, Details  
Develop course curriculum, lecture, and assignments

**Instructor**

LAR 4094 Senior Project  
Advise undergraduate students on their senior thesis projects

2023 Fall

**Instructor**

LAR 5124 Graduate Landscape Architecture Resilient Site Design  
Develop course curriculum, lecture, and assignments

**Instructor**

LAR 4094 Senior Project  
Advise undergraduate students on their senior thesis projects

2023 Spring

**Instructor**

LAR 3016 Landscape Architecture Design Studio: Site, Program, and Community II  
Develop course curriculum, lecture, and assignments

**Instructor**

LAR 3164 Design in Detail: Materials, Structures, Details  
Develop course curriculum, lecture, and assignments

**Instructor**

LAR 4094 Senior Project  
Advise undergraduate students on their senior thesis projects

2022 Fall

**Instructor**

LAR 4254/5254 Landscape Architecture Theory  
Develop course curriculum, lecture, and assignments  
Organize group discussion  
Lecture design theories relevant to landscape architectural design and related work

**Instructor**

LAR 4094 Senior Project  
Advise undergraduate students on their senior thesis projects

**Kansas State University**

2022 Spring

**Research Mentor**

BAE/DAS/GENAG 582 Natural Resources and Environmental Sciences Capstone Course  
Mentor an interdisciplinary group of undergraduates in the research process  
Help students to conduct some form of field work and data analysis  
Lead small group discussions  
Guide students to prepare a professional oral presentation, written report or research manuscript, and poster appropriate for an academic meeting

2021 Fall

**Instructor (Course Designer and Lecturer)**

LAR741 AR/VR in Landscape Architecture  
Develop course curriculum, material, and tutorials  
Teach basic knowledge and skills of AR/VR modeling software  
Guide real-world applications as well as a strong research platform in landscape/urban design  
[https://apdesign.k-state.edu/about/faculty-staff/ha\\_jaeyoung/](https://apdesign.k-state.edu/about/faculty-staff/ha_jaeyoung/)

2021 Spring	<p><b>Graduate Teaching Assistant</b>  LAR 740 Advanced studio  Urban Future: Designing for Climate Change Adaptation  Teach urban flooding analysis and simulation using virtual reality  Desk and mid-term/final design critiques</p>
2020 Fall	<p><b>Instructor (Course Designer and Lecturer)</b>  LAR741 AR/VR in Landscape Architecture  Develop course curriculum, material, and tutorials  Teach basic knowledge and skills of AR/VR modeling software  Guide real-world applications as well as a strong research platform in landscape/urban design</p>
2020 Spring	<p><b>Graduate Teaching Assistant</b>  LAR 898 Master's Report  Advising research design and methodology for master's thesis &amp; report</p>
2019 Fall	<p><b>Graduate Teaching Assistant</b>  LAR 648 Advanced Studio / LAR 705 Advanced Studio  The Future of Urban Revitalization: Dialectical Approaches  Instructor for VR tutorials: The construction of urban and landscape environment in Virtual Reality  Desk and mid-term/final design critiques</p>
2019 Spring	<p><b>Graduate Teaching Assistant</b>  LAR 648 Advanced Studio / LAR 750 Advanced Seminar  Urban and Landscape Resilience for the Future  Desk and mid-term/final design critiques</p>
2018 Fall	<p><b>Graduate Teaching Assistant</b>  LAR 710 Advanced Studio / LAR 750 Advanced Seminar</p>

## TEACHING CERTIFICATE & TEACHING GRANTS

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2023	<p><b>Principles of Effective Teaching Certificate</b>, Center for Excellence in Teaching and Learning, Virginia Tech</p>
2022	<p><b>Scholarship of Teaching and Learning Grants</b>, Center for Excellence in Teaching and Learning, Virginia Tech</p>

## NOTEWORTHY ACCOMPLISHMENTS OF STUDENTS

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2025	<p><b>Stanley Abbott Awards (Semifinalist)</b>, Landscape Architecture Program, Virginia Tech.  My senior thesis advisee was nominated as a semifinalist for the best thesis award  Student name: Walker Lloyd</p>
2023	<p><b>Student Award Winner</b>, The Virginia Chapter of the American Society of Landscape Architects  A panel of practicing landscape architects conducted a blind review to determine the recipient. The project originated in my Spring 2023 studio, where I advised the student on design concept, development, and site planning.  Student name: Jiahua Zhao</p>
2023	<p><b>LAF OLMSTED SCHOLAR Program (Nominated)</b>, Landscape Architecture Foundation  Senior thesis advisee was nominated and recognized as 2023 LAF Olmsted Scholars  Student name: Grace Pursley</p>
2023	<p><b>Stanley Abbott Awards (Semifinalist)</b>, Landscape Architecture Program, Virginia Tech.  My senior thesis advisees were nominated as a semifinalist for the best thesis award</p>

Student name: Grace Pursley, Marcel Janowsky

## ADVISING RESPONSIBILITIES

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### Visiting Scholars

Role	Name	Degree	Status/Degree Date
Advisor	Youhyun Kim	Visiting Scholar Researcher	2024-26
Advisor	Jia Xu	Visiting Scholar Researcher	2024-25

### Ph.D. Committees

Role	Name	Degree	Status/Degree Date
Chair	Paria Hosseini	Doctor of Philosophy in Architecture and Design Research Landscape Architecture Track	In progress
Member	Jun Yang	Doctor of Philosophy in Architecture and Design Research Landscape Architecture Track	In progress

### Master Committees

Role	Name	Degree	Status/Degree Date
Chair	Michael Rehrig	Master of Landscape Architecture	In progress / 2025 (Expected)
Member	Francesca Verdura	Master of Architecture	In progress
Member	Jun Yang	Doctorate (PhD) Landscape Architecture	In progress

### Undergraduate Committees

Role	Name	Degree	Status/Degree Date
Advisor	Tony Manning	Bachelor of Landscape Architecture	In progress
Advisor	Jenny Seo	Bachelor of Landscape Architecture	In progress
Advisor	Lillian Bell	Bachelor of Landscape Architecture	In progress
Advisor	Chris Escobar	Bachelor of Landscape Architecture	August 2025
Advisor	Walker Lloyd	Bachelor of Landscape Architecture	May 2024
Advisor	Sam Guerico	Bachelor of Landscape Architecture	May 2024
Advisor	Alexander Straub	Bachelor of Landscape Architecture	May 2024
Advisor	Levi Rivera	Bachelor of Landscape Architecture	May 2024
Advisor	Grace Pursley	Bachelor of Landscape Architecture	May 2023
Advisor	Marcel Janowsky	Bachelor of Landscape Architecture	May 2023

## INVITED LECTURES & CRITIQUES

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2025 Summer	"Immersive virtual environment designed for flood risk communication". Pecha Kucha presentation. Institute for Creativity, Arts, and Technology, Blacksburg, VA, August 8th, 2025
2025 Spring	"Immersive virtual environment designed for flood risk communication". Pecha Kucha presentation. Institute for Creativity, Arts, and Technology, Blacksburg, VA, February 13th, 2025
2024 Fall	<b>Biophilic City in Gwangju</b> , Gwangju Forest, "Nature's Role in Promoting Mental Health and Psychological Resilience". September 24th, 2024 (Virtual).
2024 Spring	Immersive visualization technology as an effective way of enhancing the landscape design process". LAR 50th year Symposium 2024. Landscape Architecture Program, School of Design, Blacksburg, VA, February

24th, 2024

- 2023 Spring **Global Landscape Architect Network**, "The Healing Power of Nature: Impacts on Mental Health and Well-Being". April 13th, 2023 (Virtual).
- 2023 Summer Department of Landscape Architecture, Pusan National University, South Korea. "Landscape Architecture Education and Research in the United States". May 30th, 2023.
- 2023 Summer Department of Landscape Architecture, Hankyung National University, South Korea. "Enhancing Landscape Architecture Design and Planning through Immersive Visualization Technology". May 25th, 2023
- 2022 Fall Urban Green Space Alone is Not Enough: Ecosystem Health and Human Wellbeing". LAR Friday Lecture. Landscape Architecture Program, School of Design, Blacksburg, VA, September 2nd, 2022
- 2022 Spring **Invited critique for studio**, LAR 433: Landscape History and Design Studio (Instructor: Beamish, Anne), College of Architecture, Planning and Design, Kansas State University, February 15, 2022
- 2022 Spring **World Cities: Seoul**, PLAN 215: World Cities (Instructor: Rishi, Susmita), Department of Landscape Architecture and Regional & Community Planning, Kansas State University, January 28, 2022
- 2021 Fall **Invited critique for studio**, ENVD 201: Environmental Design Studio 1 (Instructor: McNair, Michel), College of Architecture, Planning and Design, Kansas State University, November 8, 2021
- 2021 Fall **Urban green space for human wellbeing**, LAR 1264: Seeing, Understanding, Representing Landscape (Instructor: Bohannon, C. L.), Department of Landscape Architecture, Virginia Tech University, October 5, 2021
- 2021 Summer **Invited critique for studio**, ENVD 201: Environmental Design Studio 1 (Instructor: McNair, Michel), College of Architecture, Planning and Design, Kansas State University, June 25, 2021
- 2021 Summer **Metaverse world in landscape architecture and urban design**, (Instructor: Choi, Songhyun), Department of Landscape Architecture, Pusan National University, May 24, 2021
- 2021 Spring **Invited critique for studio**, ENVD 201: Environmental Design Studio 2 (Instructor: Kim, Byungsoo), College of Architecture, Planning and Design, Kansas State University, May 5, 2021
- 2021 Spring **Future urban space**, LAR 750: Advanced Seminar (Instructor: Kim, Hyung Jin), Department of Landscape Architecture and Regional & Community Planning, Kansas State University, March 22, 2021
- 2021 Spring **World Cities: Seoul**, PLAN 215: World Cities (Instructor: Rishi, Susmita), Department of Landscape Architecture and Regional & Community Planning, Kansas State University, March 8, 2021
- 2021 Spring **World Cities: Seoul**, URBN 20104: World Cities (Instructor: Goharipour, Hamed), Urban Studies, College of Wooster, February 18, 2021
- 2020 Fall **Invited critique for studio**, ENVD 201: Environmental Design Studio 1 (Instructor: McNair, Michel), College of Architecture, Planning and Design, Kansas State University, December 4, 2020
- 2020 Spring **World Cities: Seoul**, PLAN 215: World Cities (Instructor: Rishi, Susmita), Department of Landscape Architecture and Regional & Community Planning, Kansas State University, April 15, 2020
- 2019 Fall **Invited critique for studio**, ENVD 201: Environmental Design Studio 1 (Instructor: Goharipour, Hamed), College of Architecture, Planning and Design, Kansas State University, November 13, 2019
- 2019 Spring **The history of urban planning in Seoul**, PLAN 699: Qualitative Planning (Instructor: Goharipour, Hamed), Department of Landscape Architecture and Regional & Community, Kansas State University, February 26, 2019

- 2019 Spring      **World Cities: Seoul**, PLAN 215: World Cities (Instructor: Gibson, Huston J), Department of Landscape Architecture and Regional & Community Planning, Kansas State University, February 22, 2019
- 2018 Fall        **Landscape research and practice**, LAR 750: Advanced Seminar (Instructor: Kim, Hyung Jin), Department of Landscape Architecture and Regional & Community Planning, Kansas State University, December 5, 2018

## PROFESSIONAL EXPERIENCE

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- 2013-2016      **Project Engineer and Landscape Architect**  
 Dohwa Engineering\*, Department of City Planning and Landscape Architecture & Leisure  
 Seoul, South Korea (\*Nationally ranked, #1 engineering firm in South Korea)
- Oversaw planning and designing of construction projects in urban planning, civil engineering, electronics & telecommunication, environmental assessments, transportation, architecture, and landscape architecture and also consulted with government agencies.
  - Developed land-use plans and obtained construction approval
  - Created concept plans, programs, master plans, computer graphics, schematic designs, detailed designs, and construction documents

## CERTIFICATIONS AND PROFESSIONAL DEVELOPMENT

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- 2023            **Dean's Equity and Inclusion Initiative Summer Institute, Dumbarton Oaks, Trustees for Harvard University**  
 Attending the Dean's Equity and Inclusion Initiative Summer Institute to gain education and training on junior faculty career development and to engage in networking opportunities. July 31st, 2024.
- 2021            **The Future Faculty Diversity Program, Virginia Polytechnic Institute and State University (Virginia Tech)**  
 I have been selected to participate in the 2021 Future Faculty Diversity Program at Virginia Tech as a fellow in the Department of Landscape Architecture within the College of Architecture and Urban Studies.
- 2021            **Certificate of Achievement, Kansas State University**  
 Selected as one of the top 10 presenters at Research and the State.
- 2020            **Certificate of Professional Development, Graduate Student Council Professional Development Program, Kansas State University**  
 For successful completion of the 2019-2020 Graduate Student Council Professional Development Program that enriches graduate students' education beyond their own disciplines.
- 2012            **Licensed Engineer in Landscape Architecture, Republic of Korea**

## SKILLS

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### Graphic tools

- Proficient in various visual representation techniques**
- AutoCad, Unreal Engine 4, Rhino, SketchUp, V-ray
  - Adobe Photoshop, Adobe Illustrator, Adobe InDesign
- Virtual reality specialty**
- Software: Unreal Engine, Twinmotion
  - Hardware: VIVE HTC, Meta Quest

### Analysis tools

- Efficient in collecting and analyzing research data**
- Geography: ArcGIS, ENVI, City Engine
  - Statistics: Rstudio, SPSS, SAS, Mplus, AMOS
  - Landscape ecology: FRAGSTAT
  - Machine learning: Python
  - Thermal analysis: ENVI-MET

## SERVICES

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**Committees**

- 2023 - Present     **Co-Chair for RESILIENCE + CLIMATE ACTION Track**  
As co-track chair for the Resilience + Climate Action track at the CELA, I coordinated the peer review process for conference abstracts and served as co-editor for the Landscape Research Record, overseeing the review and editorial development of selected full manuscripts for publication.
- 2024 - 2025     **Industrial Design Faculty Searching Committee**  
Served on the Industrial Design faculty search committee for tenure-track positions at Virginia Tech.
- 2022 - 2025     **School of Design Honorifics Committee**  
Reviewed the 2023 faculty awards in the School of Design at Virginia Tech.
- 2023 - 2024     **Landscape architecture faculty search committee**  
Served on the Landscape Architecture faculty search committee for visiting professor positions at Virginia Tech.
- 2022 - 2023     **Landscape architecture faculty search committee**  
Served on the Landscape Architecture faculty search committee for tenure-track and professor of practice positions at Virginia Tech.
- 2023 - 2023     **Korean Student Association (KSA), Virginia Tech**  
Serving as the faculty advisor for the Korean Student Association at Virginia Tech

**Peer-reviewed journal reviewer**

- 2022 - 2025     **Landscape and Urban Planning, Urban Forestry and Urban Greening, Scientific Report, Landscape and Ecological Engineering, Landscape Research Record, Journal of the Korean Institute of Landscape Architecture, Risk Management and Healthcare Policy**  
Peer-reviewed journal reviewer

**Conference reviewer**

- 2021 - 2022     **The Environmental Design Research Association (EDRA)**  
Abstract reviewer for conference

**PROFESSIONAL MEMBERSHIPS**

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- 2022–Present     **Council of Educators in Landscape Architecture (CELA)**  
Member
- 2021–2022     **American Society of Landscape Architects (ASLA) Prairie Gateway**  
Member
- 2021–2022     **The Environmental Design Research Association (EDRA)**  
Student member
- 2021–Present     **Global Landscape Architects Network**  
Member
- 2021–2022     **Graduate Student Council (GSC) at Kansas State University**  
Awards and recognition member
- 2019–2022     **Post-Baccalaureates of APDesign at Kansas State University**  
Treasurer and founding member
- 2013–Present     **Economist Study Group**

Founding member and study seminar organizer

## RESEARCH AND TEACHING INTEREST

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- **Mental wellbeing:** mental health/wellbeing, restorative environments, social and environmental justice
- **Regional climate and environment:** climate change mitigation, disaster resilience design and planning
- **Planning and design:** landscape planning and design, urban design, environment-behavior
- **Immersive environment:** virtual reality (VR), augmented reality (AR)
- **Ecology:** landscape ecology, landscape pattern, biodiversity, ecological design and planning
- **Spatial analysis:** remote sensing, geographical information system (GIS)
- **Big data analysis:** machine learning, big data management, data crawling