

Haoyue Yang

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EDUCATION

Expected Summer 2025	Doctor of Philosophy , Urban and Regional Science, <i>Texas A&M University, College Station, Texas</i>
2020	Master of Landscape Architecture , <i>Texas A&M University, College Station, TX</i> Certificate of Health Systems and Design , <i>Texas A&M University, College Station, TX</i> Certificate of Sustainable Urbanism , <i>Texas A&M University, College Station, TX</i>
2017	Bachelor of Landscape Architecture , Landscape Architecture, <i>Northeastern Forestry University, Heilongjiang, China</i> Visiting Student , Landscape Architecture, <i>Tunghai University, Taiwan, China</i>

TEACHING EXPERIENCE

Spring 2024	Instructor of Record (2022-24), Teaching Assistant (2019-21), Texas A&M University
Spring 2023	<u>LAND 331/614 Landscape Architectural Site Engineering and Development (4 credits)</u>
Spring 2022	❖ Advanced undergraduate and graduate-level Construction Course
Spring 2021	❖ The topics covered in LAND 231/614 are: Construction procedures of concrete, masonry, and wood; Planting design for sustainability;
Spring 2020	Rainwater harvesting systems; Green roof technology; Green and living wall technologies;
Spring 2019	Bioretention systems; Construction with porous pavements; Irrigation design with reclaimed water; Basic irrigation hydraulics (pressurized flow, head loss, design pressure, etc.); Site layout plans; Site grading for LID
Fall 2023	Guest Lecturer, Texas A&M University <u>URPN 220 Digital Communication I (3 credits)</u> ❖ Fundamental Digital Communication Course ❖ Delivered a lecture on utilizing the online AI platform Stable Diffusion for rendering and design idea generation, accompanied by a survey study exploring students' perspectives on AI image generators.
Fall 2023	Instructor of Record (2023), Teaching Assistant (2019-2021), Texas A&M University
Fall 2021	<u>LAND 231/612 Landscape Construction I (4 credits)</u>
Fall 2020	❖ Fundamental undergraduate and graduate-level Construction Course
Fall 2019	❖ The topics covered in LAND 231/612 are: Concepts, theories and techniques of site development; Aspects of site engineering and consideration of earth-bound elements in land development; Contours, Landform, Grading design, Drainage principles, Cut and fill computations, Basic hydraulics and hydrology, Stormwater management, Landscape construction materials

Fall 2022

Instructor of Record, Texas A&M University

LAND 601 Landscape Architectural Design Theory and Application I (5 credits)

- ❖ Fundamental graduate-level **Design Course**
- ❖ The topics covered in LAND 601 are:
Basic design theories, principles, applications of landscape architectural design; design process; context-sensitive design; evidence-based design; form-making skills; form-function-meaning relationships; spatial scale and dimensions; elements of natural and built environments; behavioral, psychosocial, policy and ecological factors in design; communication of design ideas

RESEARCH EXPERIENCE

- 2023-2024 **Principal Investigator**, Teaching as Research (TAR) Fellowship Program, *Texas A&M University*
Project: Integrating AI Image Generators in Urban and Landscape Digital Communication and Education
Fund: TAMU Graduate and Professional School, \$1,000
This project explores the integration of AI image generators into landscape architecture education, highlighting their potential to enhance visual expression and creative ideation in design.
- 2023-2024 **Researcher**, *Texas A&M University*
Project: Ecologically Sustainable Design and Construction: A Reflection on Teaching Resources for Nature-based Solutions
Survey study of landscape architecture faculty, revealing strengths and gaps in current resources for teaching blue-green infrastructure and low impact development and highlighting the evolving educational needs of accredited programs as landscape architecture adapts to its new STEM designation and rising ecological challenges.
- 2023-2024 **Research Assistant**, DRAL Lab, *Texas A&M University*
Project: ENGAGEMENT BY DESIGN: Intergenerational Communities to Promote Social Equity and Healthy Aging in Place
Fund: Landscape Architecture Foundation, \$25,000
PIs: Drs. Sinan Zhong and Chanam Lee
A research and design project aims to identify key elements of intergenerational communities and their multi-level benefits. The main outcome will be the Intergenerational Community Assessment Tool (iCAT) toolkits with a checklist of essential design items/features of intergenerational communities and intergenerational sites.
- 2022-2023 **Research Assistant**, Innovation [X] Project, *Texas A&M University*
Project: Design for Better and Safer Care: Evidence & Technology-based Strategies to Improve Long-term Care Facilities
Fund: Texas A&M University, \$20,000
PIs: Drs. Xuemei Zhu, Chanam Lee, Marcia Ory, Zhipeng Lu
A research and design project addresses the knowledge gap related to resident mobile safety, infection safety, social connectedness, and quality of life for long-term care facility residents during and beyond infection outbreaks.
- 2021-2022 **Research Assistant**, Innovation [X] Project, *Texas A&M University*
Project: COVID-19 for Vulnerable Populations: Longitudinal Impacts and Roles of Housing and Community Environments
Fund: Texas A&M University, \$20,000
PIs: Drs. Xuemei Zhu, Chanam Lee, Marcia Ory
A research and design project aimed at understanding how COVID-19 impacts physical activity

and health for affordable housing and nursing home residents. The project also explores the impacts of long-term care facility design on the COVID-19 outbreak to inform future practices, as well as public health promotion in crisis mitigation and management.

2019-2020	<p>Graduate Student Mentor, Texas A&M University <u>Project:</u> ENDEAVR: Envisioning the Neo-traditional Development by Embracing the Autonomous Vehicles Realm <u>Fund:</u> W.M. KECK Foundation, \$300,000 <u>PI:</u> Dr. Wei Li</p> <p>An interdisciplinary project-based learning experience in smart and connected communities, which involves developing a service-learning program that connects students from STEAM (Science, Technology, Engineering, Art, and Mathematics) disciplines with industries and communities to help transform small, underserved communities into smart cities.</p>
2018-2019	<p>Design Team Member, Texas A&M University <u>Project:</u> Custom Living Wall from Industrial waste-stream <u>PIs:</u> Bruce Dvorak and Dr. Ahmed K. Ali</p> <p>A project with an interdisciplinary team to design, build, and evaluate the performance of a custom living wall system using wasted metal from the automobile production industry.</p>

PROFESSIONAL EXPERIENCE

Summer 2022	<p>Landscape Architecture Intern, Burditt Consultants, LLC, TX</p> <ul style="list-style-type: none"> Designed and prepared conceptual landscape plans and construction documents on the downtown master plan, children's playground, sports field complex, and plaza Participated in community engagement activity and committee workshop
Summer 2020 Summer 2019	<p>Landscape Architecture Intern, Flenker Land Architecture Consultants, LLC, IA</p> <ul style="list-style-type: none"> Designed and prepared professional downtown development plans, trails, and park systems for small Iowa communities, implementing active living disciplines Participated in and presented community engagement activities, community workshops, and committee meetings
Summer 2015	<p>Landscape Architecture Intern, Beris Engineering and Research Corporation, China</p> <ul style="list-style-type: none"> Prepared construction grading plan and detailed drawing

SERVICE AND OTHER EXPERIENCE

2024-present	<p>Committee Member, Texas ASLA 2025 Conference, TX</p> <ul style="list-style-type: none"> Volunteer on the Registration Committee to support the annual conference planning.
2018-present	<p>Part-time Editor, ArchiDog Press, China</p> <ul style="list-style-type: none"> Reported conferences and interviewed outstanding designers in architecture, landscape architecture, and urban planning fields.
2020-2022	<p>Volunteer, PPN leadership & Climate Action Committee, American Society of Landscape Architects, USA</p> <ul style="list-style-type: none"> PPN Online Learning Webinar Coordinator – organized online webinar in Healthcare and Therapeutic Design Session ASLA Climate Action Committee Website Working Group - reviewed and identified key organizational elements of climate action case studies
2021-2022	<p>Treasure, Urban and Regional Science Student Organization, Texas A&M University</p> <ul style="list-style-type: none"> Organized monthly workshops for doctoral students in the Department of Landscape Architecture and Urban Planning
2020-2022	<p>Part-time Editor, Landscape China, China</p> <ul style="list-style-type: none"> Translated and shared overseas architecture, landscape architecture, and urban planning projects.
2019-2020	<p>Graduate President, TAMU ASLA, Texas A&M University</p> <ul style="list-style-type: none"> Organized bi-weekly meetings, firm visits, and trips to national and TX ASLA conferences

HONORS, AWARDS AND RECOGNITIONS

2024	McKain Scholarship , College of Architecture, Texas A&M University, Texas, USA (\$1,500)
2024	Academic Excellence Scholarship , Texas A&M University, Texas, USA (\$1,000)
2023	Nana Kirk Student Travel Scholarship , Environmental Design Research Association, USA
2023	Jesus Hinojosa Endowed Urban Planning Scholarship , Landscape Architecture and Urban Planning, Texas A&M University, Texas, USA (\$1,000)
2022	ISS International Education Fee Scholarship , Texas A&M University, Texas, USA (\$1,500)
2021	Graduate Student Research and Presentation Travel Award , Texas A&M University, Texas, USA (\$800)
2020	ASLA Student Award , American Society of Landscape Architects, USA
2020	Texas ASLA Student Award , American Society of Landscape Architects Texas Chapter, Texas, USA
2020	Design Research for Active Living Scholarship , Landscape Architecture and Urban Planning, Texas A&M University, Texas, USA (\$1,000)
2019	First Place, Reach Design Competition , Texas A&M University, Texas, USA (\$2,000)
2019	Microclimatic Design Research Group Scholarship , Landscape Architecture and Urban Planning, Texas A&M University, Texas, USA (\$1,000)
2019	Antonio F. Sarabando Jr. "Spirit of Place Award" , Landscape Architecture and Urban Planning, Texas A&M University, Texas, USA (\$1,000)
2017	Excellent Work , Taiwan Student Competition of Landscape Design, China

PEER-REVIEWED JOURNAL ARTICLES

2022

1. **Yang, H.**, Rigsby, M., Zhu, X., Lee, C., & Ory, M. (2022). COVID-19 in long-term care facilities: A rapid review of infection correlates and impacts on mental health and behaviors. *HERD: Health Environments Research & Design Journal*, 15(3), 277-294.
 2. Park, A. H., Zhong, S., **Yang, H.**, Jeong, J., & Lee, C. (2022). Impact of COVID-19 on physical activity: A rapid review. *Journal of Global Health*, 12.
 3. Zhu, X., Lee, H., Sang, H., Muller, J., **Yang, H.**, Lee, C., & Ory, M. (2022). Nursing home design and COVID-19: Implications for guidelines and regulation. *Journal of the American Medical Directors Association*, 23(2), 272-279.
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MANUSCRIPTS UNDER REVIEW

2024

1. **Yang, H.**, Song, Y., Prochnow, T., & Lee, C. (under review). Using social network analysis to explore the role of public spaces in social interaction and social segregation: a data-driven case study in Laredo, Texas. *Journal of the American Planning Association*.
2. Zhong, S., Curran, L., **Yang, H.**, Hahm, Y., & Lee, C. (under review). A social marketing approach to identify benefits and determinants of intergenerational interactions: US nationwide expert interviews. *The Gerontologist*.
3. Dvorak, B., Zhong, S., & **Yang, H.** (under review). Ecologically sustainable design and construction: A reflection on teaching resources. *Landscape Journal*.

REFEREED PRESENTATIONS

2024

- **Yang, H.**, Dvorak, B., & Zhong, S. (2024). Assessment of resources for teaching LID construction in landscape architecture. *Council of Educators in Landscape Architecture 2024 Conference*.
- **Yang, H.**, Song, Y., & Tao, Z. (2024). Integrating AI image generators in urban and landscape digital communication and education: A case study at Texas A&M University. *Council of Educators in Landscape Architecture 2024 Conference*.
- Zhong, S., Curran, L., **Yang, H.**, Hahm, Y., Prochnow, T., & Lee, C. (Year). Intergenerational communities for health: Insights from nationwide expert interviews. *Council of Educators in Landscape Architecture 2024 Conference*.
- Park, S., **Yang, H.**, Zhu, X., Ory, M., Lu, Z., & Lee, C. (2024). Built environments and health conditions of community-dwelling older adults: Investigating the mediating effects of physical activity and social interaction. *2024 Active Living Conference*.

2023

- **Yang, H.** (2023). Graduate Student Mentoring Workshop. *54th EDRA conference*.
- **Yang, H.**, Prochnow, T., & Song, Y. (2023). Who we get social exposed in public spaces? A big data-driven case study in Laredo, TX. *Sunbelt 2023 - International Network for Social Network Analysis Conference*.
- **Yang, H.**, Song, Y., Prochnow, T., & Lee, C. Defining Social Segregation and Identifying the Role of Public Spaces in Social Interaction: A Data-driven Case Study in Laredo, Texas. *ACSP 63rd Annual Conference*.

2022

- **Yang, H.**, Song, Y., & Lee, C. (2022). Visualizing the centrality of public spaces and social segregation in urban social network: a data-driven case study in Laredo, Texas. *Council of Educators in Landscape Architecture 2022 Conference*.

2021

- Park, A., Zhong, S., **Yang, H.**, Jeong, J., & Lee, C. Active Living amid COVID-19: The Roles of Community Environments. In *CUGH 2021 Virtual Conference*. CUGH.
- **Yang, H.**, Rigsby, M., Lee, H., Zhu, X., Ory, M., & Lee, C. COVID-19 and Nursing Homes: Environmental and Policy Factors that Impact COVID-19 Spread among Nursing Home Residents in Texas. In *CUGH 2021 Virtual Conference*. CUGH.
- Zhu, X., Lee, H., **Yang, H.**, Lee, C., Ory, O., DeLao, Aaron, & Hall, R. Impacts of COVID-19 and Roles of Housing and Neighborhood Characteristics: An In-depth Look at Nursing Homes and Affordable Housing. In *CUGH 2021 Virtual Conference*. CUGH.

PEER REVIEWER

- ❖ The Council of Educators in Landscape Architecture (CELA) 2025 Annual Meeting
- ❖ The Environmental Design Research Association (EDRA) 55th Annual Meeting
- ❖ The Association of Collegiate Schools of Architecture (ACSA) 112th Annual Meeting
- ❖ HERD: Health Environments Research & Design Journal