Curriculum Vitae

Rui Zhu, MLA, PhD
Assistant Professor, Department of Landscape Architecture, Texas Tech University

Contact information:
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Sign: *Rui Zhu*
Date: 08/20/2025

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EDUCATION

Doctor of Philosophy in Urban and Regional Science, 2018 – August 2023
College of Landscape Architecture and Urban Planning
Texas A&M University – College Station, TX
Research Focus: urban regeneration, multi-hazard resilience, land use science, spatial analytics, urban big data, and design performance.
Advisor: Galen Newman, PhD, ASLA, APA, Professor, Department Head,
Council of Educators in Landscape Architecture (CELA) Past President (2022 - 2023)

Master of Landscape Architecture, June 2018
College of Landscape Architecture and Urban Planning
Texas A&M University – College Station, TX
Concentration area: Urban design, community regeneration, community resilience
Advisor: Galen Newman, PhD, ASLA, APA, Professor, Department Head, Council of Educators in Landscape Architecture (CELA) Past President (2022-2023)

Bachelor of Landscape Architecture, June 2015
Department of Landscape Architecture and Art
Fujian Agriculture and Forestry University – Fu Zhou, China

WORKING EXPERIENCES

Assistant Professor, September 2025 - now
Department of Landscape Architecture
Texas Tech University – Lubbock, TX

Postdoctoral Researcher (50% teaching and 50% research), August 2023 - now
Department of Landscape Architecture and Urban Planning
Texas A&M University – College Station, TX

Research Assistant, August 2020 - August 2023
Department of Landscape Architecture and Urban Planning
Texas A&M University – College Station, TX

Teaching Assistant, August 2017 - August 2020
Department of Landscape Architecture and Urban Planning
Texas A&M University – College Station, TX

PEER - REVIEWED PUBLICATIONS

BOOKS

1. **Zhu, R.** & Newman, G. (Eds.)**.** *Vacant Land Regeneration: Novel Strategies for Maximizing Local Impact.* Accepted by Routledge, forthcoming December 2025.

2. Newman, G., **Zhu, R.**, Li, D., & Barnes, M. (Eds.). (Otc.14, 2024). Contemporary Landscape Performance Methods and Techniques: Lessons from the Houston Arboretum and Nature Center (1st ed.). Routledge. https://doi.org/10.4324/9781003495482

PEER-REVIEWED JOURNAL ARTICLES

1. **Zhu, R.**, Song, Y., & Newman, G. (ahead of press, 2025). "Exploring the relationship between daytime and nighttime mobility and park visitation: A case study of Austin, TX." Environment and Planning B: Urban Analytics and City Science
URL: https://doi.org/10.1177/23998083251325909

2. Newman, G., McGuire, M.P., Tao, Z., & **Zhu, R.** (2024). "Towards Increasing Faculty Licensure in Landscape Architecture Education." Landscape Journal 43(2): 71-86.
URL: https://muse.jhu.edu/article/941370

3. Asri, A. K., Newman, G. D., Tao, Z., **Zhu, R.**, Chen, H.-L., Lung, S.-C. C., & Wu, C.-D. (2024). What is the spatiotemporal pattern of benzene concentration spread over susceptible area surrounding the Hartman Park community, Houston, Texas? Journal of Hazardous Materials, 474, 134666. https://doi.org/10.1016/j.jhazmat.2024.134666

4. **Zhu, R.**, Newman, G., & Li, D. (2024). The spatial relationship between long-term vacant housing and non-communicable diseases in U.S. shrinking and growing metropolitan areas. Cities, 145, 104718. https://doi.org/10.1016/j.cities.2023.104718

5. **Zhu, R.,** Newman, G., Li, D., Song, Y., & Zou, L. (2023). Associations between vacant urban lands and public health outcomes in growing and shrinking cities. Urban Forestry & Urban Greening, 89, 128127. https://doi.org/10.1016/j.ufug.2023.128127

6. **Zhu, R.**, Newman, G., Han, S., Kaihatu, J., & Wang, T. (2023). An Adaptive Toolkit for Projecting the Impact of Green Infrastructure Provisions on Stormwater Runoff and Pollutant Load—A Case Study on the City of Galena Park, Texas, USA. Landscape Architecture Frontiers, 11(2), Article 2. https://doi.org/10.15302/J-LAF-1-040031

7. Cordova, A. C., Dodds, J. N., Tsai, H.-H. D., Lloyd, D. T., Roman-Hubers, A. T., Wright, F. A., Chiu, W. A., McDonald, T. J., **Zhu, R.**, Newman, G., & Rusyn, I. (2023). Application of Ion Mobility Spectrometry-Mass Spectrometry for Compositional Characterization and Fingerprinting of a Library of Diverse Crude Oil Samples. Environmental Toxicology and Chemistry, Environmental Toxicology and Chemistry, 42(11). https://doi.org/10.1002/etc.5727

8. Cai, Z., **Zhu, R.**, Ruggiero, E., Newman, G., & Horney, J. A. (2023). Calculating the Environmental Impacts of Low-Impact Development Using Long-Term Hydrologic Impact Assessment: A Review of Model Applications. Land, 12(3), Article 3. https://doi.org/10.3390/land12030612

9. Kirsch, K. R., Newman, G. D., **Zhu, R.**, McDonald, T. J., Xu, X., & Horney, J. A. (2022). Applying and Integrating Urban Contamination Factors into Community Garden Siting. Journal of Geovisualization and Spatial Analysis, 6(2), 33. https://doi.org/10.1007/s41651-022-00129-7

10. Bhandari, S., Casillas, G., Aly, N., **Zhu, R.**, Newman, G., Wright, F., Miller, A., Adler, G., Rusyn, I., & Chiu. W. (2022) "Spatial and temporal analysis of impacts of Hurricane Florence on criteria air pollutants." International Journal of Environmental Research and Public Health, 19 (3): 1757 URL: https://www.mdpi.com/1660-4601/19/3/1757

11. Newman, G., Cai, Z., **Zhu, R.**, Chiu, W., & Jang, S. (2021). "Gauging the effects of potential chemical transferal in high flood-risk fenceline communities." Journal of Environmental Informatics Letters 6(2): 86-92. DOI: 10.3808/jeil.202100073 URL:http://www.jeiletters.org/index.php?journal=mys&page=article&op=view&path%5B%5D=202100073

12. **Zhu, R.**, Newman, G., & Atoba, K. (2021). "Simulating the Impact of Land Use Change on Contaminant Transferal during Flood Events in Houston, Texas." Landscape Journal 40(2): 79-99.URL: http://lj.uwpress.org/content/40/2/79.short

13. **Zhu, R.** & Newman, G. (2021) "The Projected Impacts of Smart Decline on Urban Runoff Contamination Levels." Computational Urban Science 1(2): 1-21 DOI: 10.1007/s43762-021-00002-1URL: https://link.springer.com/article/10.1007/s43762-021-00002-1

14. Li, D., Newman, G., Zhang T., **Zhu R.**, & Horney J. (in-press, 2021). "Coping with post-hurricane mental distress: The role of neighborhood green space." Social Science and Medicine 281: 114084. URL:https://www.sciencedirect.com/science/article/pii/S0277953621004160

15. Newman, G., Li, D., Tao, Z., & **Zhu, R.** (2021). "Recent Trends in LA-based Research: A Topic Analysis of CELA Abstract Content." Landscape Journal, 39(2), 51-73. URL: http://lj.uwpress.org/content/39/2/51.short

16. Aly, N.., Casillas, G., Luo, Y., McDonald, T., Wade, T., **Zhu, R.**, Newman, G., Chui, W., Rusyn, I. (2021). "Environmental impacts of Hurricane Florence flooding in eastern North Carolina: temporal analysis of contaminant distribution and potential human health risks." Journal of Exposure Science and Environmental Epidemiology 31(5): 810-822.URL: https://www.nature.com/articles/s41370-021-00325-5

17. **Zhu, R.**, Tao, Z., Newman, G., Counts, M., Meyer, M., Kim, Y., Kuriyama, N., Kondo, T., Maly, E., Pinheiro, A., Ghezelloo, Y., & Offer, E. (2020). Growth and Shrinkage Pre and Post Tsunami in Fukushima Prefecture, Japan. Landscape Research Record 9(1), p. 132-147 URL: http://thecela.me/wp-content/uploads/LRR_v.9_FINAL_2020_Reduced-1.pdf

18. Newman, G., Dongying, L., **Zhu, R.**, & Dingding, R. (2019). Resilience through Regeneration: The economics of repurposing vacant land with green infrastructure. Landscape architecture frontiers, 6(6), 10–23. URL: https://doi.org/10.15302/J-LAF-20180602

JOURNAL ARTICLES UNDER PEER-REVIEW

1. **Zhu, R.**, Song, Y.,Newman, G., "Day vs. Night: Unveiling Urban Park Visitation Dynamics Across Temporal Populations" Urban Forestry & Urban Greening

2. Newman, G., McGuire MP., Zhihan T., **Zhu, R.** "Perspective Essay: Towards Increasing Faculty Licensure in Landscape Architecture Education" Landscape and Urban Planning.

BOOK CHAPTERS

1. Barnes, M., **Zhu, R.**, Newman, G., & Tao, Z. (2024). "Ch. 1: Defining and Explaining Landscape Performance [pp.3-11]." In Contemporary Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

2. **Zhu, R.**, Newman, G., & Barnes, M. (2024). "Ch. 2: Landscape Performance Tools and Calculators: An Overview [pp.12-35]." In Contemporary Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

3. Ladner, C., Burris, B., Markey, D., James, J., Mendenhall, A., Newman, G., **Zhu, R.**, & Li, D. (2024). "Ch. 3: Houston Arboretum and Nature Center (HANC): Design, Implementation, and Issues [pp.36-50]." In Contemporary Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

4. **Zhu, R.**, Prybutok, S., Cai, Z., Li, D., & Newman, G. (2024). "Ch. 6: Assessing Annual Pollutant Load Using the L-THIA Model [pp.68-76]." In Contemporary Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

5. **Zhu, R.,** & Newman, G. (2024). "Ch. 7: Methodological Overview for eBird, iNaturalist, GAP Data, and Wildlife Richness [pp.77-83]." In Contemporary Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

6. **Zhu, R.** & Newman, G. (2024). "Ch. 8: Evaluating Species Richness for Birds Using eBird and GAP Data [pp.84-90]." In Contemporary Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

7. **Zhu, R.** & Newman, G. (2024). "Ch. 9: Evaluating Species Richness for Mammals Using iNaturalist and GAP Data [pp.91-97]." In Contemporary Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

8. **Zhu, R.** & Newman, G. (2024). "Ch. 10: Evaluating Species Richness for Insects Using iNaturalist and GAP Data [pp.98-106]." In Contemporary Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

9. **Zhu, R.** & Newman, G. (2024). "Ch. 11: Evaluating Flora Species Richness Using Biodiversity Indexes [pp.107-126]." In Contemporary Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

10. **Zhu, R.** & Newman, G. (2024). "Ch. 12: Assessing Habitat Quality and Pollinator Benefits [pp.127-136]." In Contemporary Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

11. **Zhu, R.,** Tao, Z., & Newman, G. (2024). "Ch. 13: Assessing Material Reuse from Construction Documents [pp.137-144]." In Contemporary Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

12. **Zhu, R.**, Newman, G., & Li, D. (2024). "Ch. 14: Assessing Accessibility Impact Using Census Data [pp.147-152]." In Contemporary Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

13. **Zhu, R.,** Cai, Z., & Newman, G. (2024). "Ch. 19: Assessing Property Tax Revenue through a Pre-Post Evaluation [pp.201-208]." In Contemporary Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

14. **Zhu, R.**, Tao, Z., & Newman, G. (2024). "Ch. 20: Assessing Property Value through a Pre-Post Evaluation [pp.209-214]." In Contemporary Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

15. **Zhu, R.**, Tao, Z., & Newman, G. (2024). "Ch. 21: Evaluating Revenue Impacts with Financial Reports [pp.215-220]." In Contemporary Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

16. **Zhu, R.** & Newman, G. (2024). "Ch. 22: Analyzing Seeding and Water Savings across Scenarios [pp.221-232]." In Contemporary Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

17. Newman, G., **Zhu, R.**, Barnes, M, & Li, D. (2024). "Ch. 23: Moving Forward: Future Needs and Directions for Landscape Performance [pp.235-244]." In Contemporary

Landscape Performance Methods and Techniques. Newman, G., Zhu, R., Li, D., & Barnes, M., eds.

18. Newman, G., Qiao, Z. & **Zhu, R.** (2022). "Ch. 1: Sea Level Rise as a Design and Planning Issue [pp.12-23]." In *Design for Sea Level Rise: Innovative Global Solutions*. Newman, G. & Qiao, X., eds. Routledge: London.

19. Tao, Z., **Zhu, R.**, & Newman, G., (2022). "Ch. 2: Global Strategies for Flood and Sea Level Rise Mitigation [pp.24-35]." In *Design for Sea Level Rise: Innovative Global Solutions*. Newman, G. & Qiao, X., eds. Routledge: London.

PEER-REVIEWED CONFERENCE PROCEEDINGS

1. **Zhu, R.**, Newman, G. (2023). 'The spatial relationship between long-term vacant housing and non-communicable diseases in U.S. shrinking and growing metropolitan counties.' Proceedings of the Council of Educators in Landscape Architecture Conference, March.

2. **Zhu, R.**, Newman, G. (2021). 'The Projected Impacts of Smart Decline on Urban Runoff Contamination Levels.' Proceedings of the Council of Educators in Landscape Architecture Conference, March.

3. Newman, G., Li, D., Tao, Z., **Zhu, R.** (2020). 'Trends in CELA-based Research: A Comprehensive and Track Separated Longitudinal Analysis of Submission Content' Proceedings of the Council of Educators in Landscape Architecture Conference, March.

4. **Zhu, R.**, Tao, Z., Newman, G., Counts, M., Meyer, M., Kim, Y., Kuriyama, N., Kondo, T., Maly, E., & Offer, E. (2020). 'Growth and Shrinkage Pre and Post Tsunami in Fukushima, Japan.' Proceedings of the Council of Educators in Landscape Architecture Conference, March.

PEER-REVIEWED PUBLISHED ABSTRACTS: ORAL PRESENTATIONS

1. Hernandez, R., **Zhu, R.,** & Sanson, G (July, 2024). 'Resilient Boundaries: Empowering Fence Line Communities For Environmental Justice.' 2024 Natural Hazards Workshop – Denver CO.

2. Newman, G., & **Zhu, R.** (March, 2024). 'An Adaptive Toolkit for Projecting the Impact of Green Infrastructure Provisions on Flooding and Pollutant Load.' Council of Educators in Landscape Architecture (CELA) Annual Conference – St. Louis MO.

3. **Zhu, R.**, & Newman, G. (Mar. 2023). "The spatial relationship between long-term vacant housing and non-communicable diseases in U.S. shrinking and growing metropolitan counties." Council of Educators in Landscape Architecture Annual Conference – San Antonio, TX.

4. Newman, G., Sansom, G., Fawkes, L., **Zhu, R.**, & Horney, J. (Nov. 2021). "Nature-Based Solutions to Improve Resilience to Disasters in Environmental Justice Communities." Society of Environmental Toxicology and Chemistry (SETAC) North America 42nd Annual Meeting. Virtual.

5. **Zhu, R.**, & Newman, G. (Mar. 2021). "The Projected Impacts of Smart Decline on Urban Runoff Contamination Levels." Council of Educators in Landscape Architecture Annual Conference – Virtual.

6. **Zhu, R.**, & Newman, G. (Dec. 2020) "Resilience through Regeneration: An engagement and performance-based approach to repurposing vacant community lots with green

infrastructure." National Institutes of Environmental Health Sciences Superfund Annual Conference, Virtual.

7. Newman, G., Li, D., Tao, Z., and **Zhu, R**. (March 2020). 'Recent Trends in CELA based Research: A Comprehensive and Track Separated Topic Analysis of Submission Content.' Council of Educators in Landscape Architecture (CELA) Annual Conference – Published but not presented due to COVID-19

8. **Zhu, R.**, Tao, Z., Newman, G., Counts, M., Meyer, M., Kim, Y., Kuriyama, N., Kondo, T., Maly, E., & Offer, E. (March 2020). 'Growth and Shrinkage Pre and Post Tsunami in Fukushima, Japan.' Council of Educators in Landscape Architecture (CELA) Annual Conference – Published but not presented due to COVID-19

9. Newman, G., Li, D., **Zhu, R.**, & Ren, D. (Oct, 2019). "Resilience through regeneration: The economics of re-purposing vacant land with green infrastructure." Association of Collegiate Schools of Planning (ASCP) – Greenville, SC.

PEER-REVIEWED PUBLISHED ABSTRACTS: POSTER SESSIONS

1. Newman, G. & **Zhu, R.** (April, 2024). "A Spatial Toolkit for Projecting the Impact of Green Infrastructure Provisions on Flooding and Pollutant Load in Galena Park, TX." American Association of Geographers (AAG) Annual Conference – Honolulu, HI

2. **Zhu, R.**, Tao, Z., Zheng, J., Cai, Z., Zhang, Y., Hernandez, R., Dixon, B., Sansom, G., Li, D., Horney, J., & Newman, G. (Dec., 2023) "An Adaptive Toolkit for Projecting the Impact of Green Infrastructure Provisions on Flooding and Pollutant Load in Galena Park, TX." National Institutes of Environmental health Sciences Annual Superfund Conference – Albuquerque, NM.

3. Cai, Z., Zheng, J., Tao, Z., **Zhu, R.**, Zhang, Y., Dixon, B., Sansom, G., Li, D., Horney, J., & Newman, G. (Dec., 2023) "Idle Grounds: Enhancing Neighborhood Resilience with Ecological Infrastructure in Manchester, TX." National Institutes of Environmental health Sciences Annual Superfund Conference – Albuquerque, NM.

4. **Zhu, R.**, Newman, G., Han, S., Kaihatu, J., Wang, T. (Nov. 2022). "Projecting the impact of green infrastructure provisions on flooding using Delft 3D Mesh." National Institutes of Environmental Health Sciences Superfund Annual Conference, Raleigh, CN

5. **Zhu, R.**, Newman, G., & Kim, Y. (Feb. 2021). "Nearby Nature and Post-Traumatic Stress Disorder: Evidence from Hurricane Affected Communities." Preparedness, Response, Innovation, Mitigation, Recovery (PRIMR) Conference – College Station, TX

6. **Zhu, R.**, Newman, G., Ren, D., Song, X., & Wang, Y. (Feb. 2021). "Resilience through Regeneration: An Engagement and Performance-based Approach to Repurposing Vacant Community Lots with Green Infrastructure." Preparedness, Response, Innovation, Mitigation, Recovery (PRIMR) Conference – College Station, TX

7. **Zhu, R.**, Newman, G., & Li, D. (Dec., 2020). "Nearby Nature and Post-traumatic Stress Disorder: Evidence from Hurricane-affected Communities." National Institutes of Environmental Health Sciences Superfund Annual Conference, Virtual

8. **Zhu, R.**, & Newman, G. (June, 2019). "Resilience through Regeneration." Making Cities Liveable Conference – Portland, Oregon.***
   *** only 5 posters accepted to present here

HONORS OR AWARDS

INTERNATIONAL AND NATIONAL LEVEL

1. 2023 Top 10 Exceptional Papers by Environmental Toxicology and Chemistry for developing a new technique to accelerate the process of analyzing crude oil samples.

2. 2020 National ASLA "Honor Award: Research Category."
   American Society of Landscape Architects,
   "Resilience Through Regeneration: The Economics of Repurposing Vacant Land with Green Infrastructure"
   > Team: **Rui Zhu**, Dingding Ren, Yangdi Wang, and Xueqi Song
   > https://www.asla.org/2020StudentAwards/1234.html

3. 2020 EDRA CORE Award- Certificate of Research Excellence: Merit Certification, Environmental Design and Research Association Certificate of Research Excellence for '*The Economics of Repurposing Vacant Land with Green Infrastructure*.
   > Team: Newman, G. **Zhu, R**., Ren, D., Li, D., Horney, J., Kirsch, K. Sansom, G., White, C.
   > https://www.edra.org/page/2020_core_recipients

STATE LEVEL

1. 2023 "TX-ASLA Award of Merit," Student Design.
   American Society of Landscape Architects, Texas Chapter (TX-ASLA). "Adaptive Stormbox – flexible green infrastructure assemblage units for Galena Park" Planning and Analysis Category, Graduate.
   > Team: **Rui Zhu** & Tianyi Wang

2. 2019 MCL "Final Jury Selection." Making Cities Liveable Design Competition, Portland, Oregon.
   > Team: **Rui Zhu** & Newman Galen

3. 2018 "TX-ASLA Award of Excellence," Student Design.
   American Society of Landscape Architects, Texas Chapter (TX-ASLA). "Resilience through Regeneration: Reduction of flood vulnerability and crime." Planning and Analysis Category, Graduate.
   > Team: **Rui Zhu** & Xueqi Song

4. 2017 "TX-ASLA Award of Excellence," Student Design.
   American Society of Landscape Architects, Texas Chapter (TX-ASLA). "Softening the surface: Balancing Green and Gray Space Ratios." General Design Category, Graduate.
   > Team: **Rui Zhu**, Xueqi Song & Zehao Wang

REGIONAL, UNIVERSITY, AND COLLEGE LEVEL

1. 2023 LAUP Barclays Jones Award for PhD dissertation, Texas A&M University

2. 2023 Urban and Regional Science Doctoral Departmental Scholarships, Texas A&M University

3. 2019 "Gulf Coast Green Design Competition, 3rd Place,"
   Resiliency Strategy Plan that submitted to the 100 Resilient Cities Network for the Gulf Coast.

4. 2018 H-GAC "Our Great Region Opportunity Award",
   Community Design Project. Presented by the Houston-Galveston Area Council. Resilience though Regeneration.
   > Team: **Rui Zhu** & Xueqi Song

5. 2018 Texas Target Communities Scholarship, Texas A&M University

6. 2017 Academic Scholarship, Texas A&M University

7. 2017 Community Resilience and Public Health Scholarship, Texas A&M University

8. 2016 Academic Scholarship, Texas A&M University

9. 2016 Scholarship for Best Design, Texas A&M University

10. 2015 Best Design Jury Award for UBRICA Biomedical Industrial City, Texas A&M University

11. 2015 Academic Scholarship, Texas A&M University

DESIGN AWARDS WITH STUDENTS

1. 2021 "TX-ASLA Honor Award", Student Design.
   American Society of Landscape Architects, Texas Chapter (TX-ASLA).
   "Green Armor: decontamination & co-habiting community with industry"
      Team: Ashley Hodde, Justin Carver, Camaryn Coogler, Joelle Sanders, and Shelby Horton

2. 2020 "TX-ASLA Award of Excellence", Student Design.
   American Society of Landscape Architects, Texas Chapter (TX-ASLA).
   "Revitalize Rescue: Addressing Vacancy with Smart Decline Techniques."
      Team: Wuqi Lyu, Yue Zhang, Julio Villalobos-Torres, Aubrey Hemphill, and Dacota Fernandez

3. 2020 "TX-ASLA Honor Award", Student Design.
   American Society of Landscape Architects, Texas Chapter (TX-ASLA).
   "Rejuvenate, Rehabilitate, and Revive: Preserving Small Town Ecology."
      Team: Leslie Kippes, Riley Nystrom, Alex Pittman, and Katie Urdiales

4. 2020 "TX-ASLA Merit Award", Student Design.
   American Society of Landscape Architects, Texas Chapter (TX-ASLA).
   "WellMatrix: Planning Healthy Communities in Rural Texas."
      Team: Stephanie Morris, Sarah Albosta, Kurtis Bradicich, Callie Whitbeck, and Hope Brice

REARCH EXPERIENCES

Funded Research Projects

2024.7 –2025.6 | **Co-PI**, Engaging the Galena Park Community to Build Resilience to Excess Industrial Pollutant Releases after Hurricanes and Floods in Greater Houston
      Funding agency: Texas A&M Superfund Research Center
      PI: Sansom, Garett
      Co-PI: Chiu, Weihsueh & **Zhu, R.**
      Grant amount: $ 24,500

2022.1 – 2022.8 | **Co-PI**, Case Study Investigation: Landscape Performance for Houston Arboretum and Nature Center
      Funding agency: Landscape Architecture Foundation (LAF)
      PI: Galen Newman & Dongying Li
      Co-PI: **Zhu, R.**
      Grant amount: $5,600

Research Assistant Projects

2020.9 – 2023.8 | Leading Research Assistant, Engaging the Galena Park Community to Build Resilience to Excess Industrial Pollutant Releases after Hurricanes and Floods in Greater Houston
      Funding agency: U.S. Environmental Protection Agency (U.S. EPA)

PI: Galen Newman & Chiu, Weihsueh
Grant amount: $799,928

2017.4 – 2022.3 | Leading Research Assistant, Superfund Research Center: Comprehensive tools and models for addressing exposure to mixtures during environmental emergency-related contamination events
> Funding agency: National Institute of Environmental Health Sciences (NIEH) P42ES027704-01.
> Director: Ivan Rusyn
> PI: Galen Newman
> Co-PI: Jennifer Horney
> Grant amount: $9,811,125

TEACHING EXPERIENCES	2025 Spring	URPN 201 The Evolving City, **Instructor**, Texas A&M University

TEACHING EXPERIENCES

2025 Spring | URPN 201 The Evolving City, **Instructor**, Texas A&M University

2024 Fall | PLAN 624/URPN 220 Digital Communication, **Instructor**, Texas A&M University

2024 Fall | URPN 201 The Evolving City, **Instructor**, Texas A&M University

2024 Spring | LAND 112 Design Foundations and Communications, **Co-Instructor**, Texas A&M University

2018 Fall, 2019 Fall, 2020 Fall | LAND 311 Landscape Design III, **Teaching Assistant**, Texas A&M University

2019 Spring, 2020 Spring | LAND 602/URPN 493 Design Theory Application II/Capstone, **Teaching Assistant**, Texas A&M University

2018 Spring | URPN 483 Studio in Urban and Regional Science, **Teaching Assistant**, Texas A&M University

DESIGN PROJECT PARTICIPATION

2022.5 – 2022.9 | **Student Leader**, Engaging the Galena Park Community to Build Resilience to Excess Industrial Pollutant Releases after Hurricanes and Floods in Greater Houston
> Design Focus: Flooding reduction, build resilience to excess industrial pollutant releases after hurricanes and floods

2018.5 – 2018.9 | **Student Leader**, North Lufkin Neighborhood Mater Plan & Community Center https://oaktrust.library.tamu.edu/handle/1969.1/188928
> Design Focus: Community regeneration, Active living

2017.6 – 2018.5 | **Student Leader**, Sunnyside/South Park Super neighborhoods in Houston, TX
> Design Focus: Community regeneration, Flooding reduction, Crime rate reduction, and Social equity

2016.9 – 2016.12 | **Student Leader**, Community Design for Spear-Man Lake Live & Work Village
> Design Focus: Sustainable community, Stormwater management, Active living

2016.5 – 2016.6 | **Student Leader**, Campus Design for West of Texas A&M University Research Park, March. 2016 – Jun. 2016
> Design Focus: Sustainable campus, Stormwater management

2015.9 – 2015.12 | **Student Leader**, UBRICA Biomedical Industrial City, Kenya, Sep. 2015 – Dec. 2015
> Design Focus: Urban design, Primitive tribal protection, Active living

SERVICES   2019-present| Reviewer for Computational Urban Science, Green Building & Construction, CELA Abstract

2020 | Advisor, Texas A&M China Hong Dance Society, Texas A&M University

2018 | Student Volunteer, The Big Event of Community Service, Texas A&M University

2018 | Survey Investigator, Coping with Post-Hurricane Mental Distress: The Role Of Neighborhood Green Space, Texas A&M University

PROFESSIONAL SKILLS   Design: AutoCAD, Adobe Illustrator, Adobe Photoshop, Adobe InDesign, Google SketchUp, Rhino, Lumion
Spatial analysis: ArcGIS, Fragstats, MGWR
Remote sensing: Google Earth Engine, eCognition
Hydrological modeling: L-THIA, SWAT
Programming: Python, R
Statistical software: Stata, SPSS

CERTIDICATES   Academy for Future Faculty Fellow Certificate