BRENDAN HARMON

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EDUCATION

2013 – 2017 **PhD in Design** — **North Carolina State University**
Co-major in Forestry & Environmental Science

2010 – 2012 **Master's of Philosophy in Geography** — **University of Oxford**
Focus in Biodiversity, Conservation, & Management

2005 – 2008 **Master's of Landscape Architecture** — **Harvard Graduate School of Design**

2001 – 2005 **Bachelor's of Art** — **Sewanee: the University of the South**
Major in Art History

ACADEMIC APPOINTMENTS

2024 – present **Associate Professor** — **Louisiana State University**
Landscape Architecture

2023 – 2025 **Graduate Coordinator** — **Louisiana State University**
Landscape Architecture

2017 – 2024 **Assistant Professor** — **Louisiana State University**
Landscape Architecture

2017 **Postdoctoral Fellow** — **North Carolina State University**
Geospatial Analytics

PROFESSIONAL PRACTICE

2008 – 2009 **Landscape Designer** — **EDAW|AECOM Guangzhou**

CERTIFICATES

2025 – present **Remote Pilot Certificate** — **FAA**

BOOKS

Harmon, Brendan (2024). *Computational Design for Landscape Architects*. Routledge. ISBN: 9781032407050.

Petrasova, Anna, **Brendan Harmon**, Vaclav Petras, Payam Tabrizian, and Helena Mitasova (2018). *Tangible Modeling with Open Source GIS*. 2nd edition. Springer International Publishing. ISBN: 9783319893020. DOI: 10.1007/978-3-319-89303-7.

Petrasova, Anna, **Brendan Harmon**, Vaclav Petras, and Helena Mitasova (2015). *Tangible Modeling with Open Source GIS*. 1st edition. Springer. ISBN: 9783319257754. DOI: 10.1007/978-3-319-25775-4.

PAPERS

Harmon, Brendan, Anna Petrasova, and Vaclav Petras (2026b). "r.earthworks: a GRASS tool for terrain modeling". In: *Journal of Open Source Software* 11.118, page 9270. DOI: 10.21105/joss.09270. URL: https://doi.org/10.21105/joss.09270.

Brooks, Joseph, Carlos Roman, **Harmon, Brendan**, Annicia Streete, and Nicholas Serrano (2025b). "Visualizing Spatial Audio in Digital Landscapes". In: *Journal of Digital Landscape Architecture* 10, pages 547–554. DOI: 10.14627/537754051.

Harmon, Brendan and Hye Yeon Nam (2025). "Cloud Garden: Neural Rendering and Point Cloud Modeling of Landscapes". In: *ACADIA 2025: Proceedings of the 45th Annual Conference of the Association for Computer Aided Design in Architecture*.

Streete, Annicia, Nicholas Serrano, and **Brendan Harmon** (2025). "Endangered African American Burial Grounds of the Lower Mississippi: Acts of Reparation and Preservation". In: *2025 ACSA 113th Annual Meeting Paper and Project Proceedings*. New Orleans, Louisiana, USA: Association of Collegiate Schools of Architecture. DOI: 10.35483/ACSA.AM.113.81.

Harmon, Brendan and Hye Yeon Nam (2024b). "3D Printing Heritage Trees". In: *Journal of Digital Landscape Architecture* 9, pages 605–613. DOI: 10.14627/537752055.

– (2023b). "Ecological Robotics". In: *Journal of Digital Landscape Architecture* 8, pages 486–492. URL: https://doi.org/10.14627/537740051.

Nam, Hye Yeon, **Brendan Harmon**, Ka Hei Cheng, and Samira Awad (2023a). "Contingent Dreams". In: *Proceedings of the Seventeenth International Conference on Tangible, Embedded, and Embodied Interaction*. TEI '23. Warsaw, Poland: Association for Computing Machinery. ISBN: 9781450399777. DOI: 10.1145/3569009.3576176.

Nam, Hye Yeon, JaNiece Campbell, Andrew M. Webb, and **Brendan Harmon** (2023). "FloraWear: Wearable Living Interface". In: TEI '23. Warsaw, Poland: Association for Computing Machinery. ISBN: 9781450399777. DOI: 10.1145/3569009.3572801.

Nam, Hye Yeon, Andrew Webb, Raymond Tucker, and **Harmon, Brendan** (2023). "Code to Cope: Supporting Self-Care by Integrating Creative Coding and Coping Mechanisms". In: *Proceedings*

of the 15th Conference on Creativity and Cognition. C&C '23. Virtual Event, USA: Association for Computing Machinery, pages 162–170. DOI: 10.1145/3591196.3593335.

Harmon, Brendan, Hye Yeon Nam, Hunter Gilbert, and Nasrin Iravani (2022). "Living Typography: Robotically Printing a Living Typeface". In: *CHI Conference on Human Factors in Computing Systems Extended Abstracts*. New Orleans, LA, USA: Association for Computing Machinery. DOI: 10.1145/3491101.3519894.

Harmon, Brendan and Nicholas Serrano (2022a). "Point Cloud Aesthetics". In: *Journal of Digital Landscape Architecture* 7, pages 335–344. DOI: 10.14627/537724033.

Sedghikhanshir, Alireza, Yimin Zhu, Yan Chen, and **Brendan Harmon** (2022). "Exploring the Impact of Green Walls on Occupant Thermal State in Immersive Virtual Environment". In: *Sustainability* 14.3. ISSN: 2071-1050. DOI: 10.3390/su14031840.

Harmon, Brendan, Hye Yeon Nam, and Michael Pasquier (2021). "Shifting Datum: A Critical Inquiry into Coastal Change". In: *Creativity and Cognition*. C&C '21. New York, NY, USA: Association for Computing Machinery. ISBN: 9781450383769. DOI: 10.1145/3450741.3466849.

Smith, Devin F, Steven T Goldsmith, **Brendan Harmon**, Russell S Harmon, and Jorge A Espinosa (2020). "Physical controls and ENSO event influence on weathering in the Panama Canal Watershed". In: *Scientific Reports* 10.1, page 10861. ISSN: 2045-2322. DOI: 10.1038/s41598-020-67797-7.

Harmon, Brendan, Helena Mitasova, Anna Petrasova, and Vaclav Petras (2019). "r.sim.terrain 1.0: a landscape evolution model with dynamic hydrology". In: *Geoscientific Model Development* 12.7, pages 2837–2854. DOI: 10.5194/gmd-12-2837-2019.

Harmon, Brendan, Anna Petrasova, Vaclav Petras, Helena Mitasova, and Ross Meentemeyer (2018). "Tangible topographic modeling for landscape architects". In: *International Journal of Architectural Computing*. DOI: 10.1177/1478077117749959.

Millar, Garrett C, Payam Tabrizian, Anna Petrasova, Vaclav Petras, **Brendan Harmon**, and Ross K Meentemeyer (2018). "Tangible Landscape : A Hands-on Method for Teaching Terrain Analysis". In: *CHI '18 Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems*. DOI: 10.1145/3173574.3173954.

Smith, Devin F., **Brendan Harmon**, Jorge Espinosa, Steven T. Goldsmith, and Russell S. Harmon (2017). "Evaluation of Climatic and Physical Controls and the Influence of ENSO Events on Long-Term Weathering and CO2 Consumption across the Panama Canal Watershed". Seattle, Washington. DOI: 10.1130/abs/2017AM-298750.

Tabrizian, Payam, **Brendan Harmon**, Anna Petrasova, Helena Mitasova, and Ross K Meentemeyer (2017). "Tangible Immersion for Ecological Design". In: *ACADIA 17: Proceedings of the 37th Annual Conference of the Association for Computer Aided Design in Architecture*. Cambridge, MA, pages 600–609. ISBN: 978-0-692-96506-1. URL: http://papers.cumincad.org/cgi-bin/works/Show&_id=caadria2010_044/Show?acadia17_600.

Tonini, Francesco, Douglas Shoemaker, Anna Petrasova, **Brendan Harmon**, Vaclav Petras, Richard Cobb, Helena Mitasova, and Ross Meentemeyer (2017). "Tangible geospatial modeling for col-

laborative solutions to invasive species management". In: *Environmental Modelling and Software* 92. ISSN: 13648152. DOI: 10.1016/j.envsoft.2017.02.020.

Harmon, Russell S, Gerhard Wörner, Steven T Goldsmith, **Brendan Harmon**, Christopher B Gardner, W Berry Lyons, Fred L Ogden, Michael J Pribil, David T Long, Zoltán Kern, and István Fórizs (2016). "Linking silicate weathering to riverine geochemistry – A case study from a mountainous tropical setting in west-central Panama". In: *Geological Society of America Bulletin*. ISSN: 0016-7606. DOI: 10.1130/B31388.1.

Harmon, Brendan (2016). "Embodied Spatial Thinking in Tangible Computing". In: *TEI '16: Proceedings of the Tenth International Conference on Tangible, Embedded, and Embodied Interaction*. Eindhoven, Netherlands: Association for Computing Machinery. ISBN: 978-1-4503-3582-9. DOI: 10.1145/2839462.2854103.

Harmon, Brendan, Anna Petrasova, Vaclav Petras, Helena Mitasova, and Ross K Meentemeyer (2016d). "Tangible Landscape: cognitively grasping the flow of water". In: *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*. Prague: International Society of Photogrammetry and Remote Sensing. DOI: 10.5194/isprs-archives-XLI-B2-647-2016.

Petrasova, Anna, Vaclav Petras, Derek Van Berkel, **Brendan Harmon**, Helena Mitasova, and Ross K Meentemeyer (2016). "Open source approach to urban growth simulation". In: *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*. Prague: International Society of Photogrammetry and Remote Sensing. DOI: 10.5194/isprs-archives-XLI-B7-953-2016.

Tabrizian, Payam, Anna Petrasova, **Brendan Harmon**, Vaclav Petras, Helena Mitasova, and Ross K Meentemeyer (2016). "Immersive Tangible Geospatial Modeling". In: *Proceedings of the 24th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems*. SIGSPATIAL'16. New York, NY, USA: Association for Computing Machinery.

Goldsmith, Steven T, W Berry Lyons, Russell S Harmon, **Brendan Harmon**, Anne E Carey, and Gregg T McElwee (2015). "Organic carbon concentrations and transport in small mountain rivers, Panama". In: *Applied Geochemistry* 63, pages 540–549. ISSN: 08832927. DOI: 10.1016/j.apgeochem.2015.04.014.

Goldsmith, Steven T, Russell S Harmon, W Berry Lyons, **Brendan A Harmon**, Fred L Ogden, and Christopher B Gardner (2015). "Evaluation of controls on silicate weathering in tropical mountainous rivers: Insights from the Isthmus of Panama". In: *Geology* 43.7, pages 563–566. ISSN: 0091-7613. DOI: 10.1130/G36082.1.

Petras, Vaclav, Anna Petrasova, **Brendan Harmon**, Ross Meentemeyer, and Helena Mitasova (2015). "Integrating Free and Open Source Solutions into Geospatial Science Education". In: *ISPRS International Journal of Geo-Information* 4.2, pages 942–956. ISSN: 2220-9964. DOI: 10.3390/ijgi4020942.

Petrasova, Anna, **Brendan Harmon**, Vaclav Petras, and Helena Mitasova (2014). "GIS-based environmental modeling with tangible interaction and dynamic visualization". In: *Proceedings of the 7th International Congress on Environmental Modelling and Software*. Edited by D.P. Ames

and N. Quinn. URL: http://www.iemss.org/sites/iemss2014/papers/iemss2014_submission_131.pdf.

Harmon, Brendan and Heather Viles (May 2013). "Beyond geomorphosites: trade-offs, optimization, and networking in heritage landscapes". In: *Environment Systems and Decisions* 33.2, pages 272–285. ISSN: 2194-5403. DOI: 10.1007/s10669-013-9448-3.

Tateosian, Laura, Helena Mitasova, **Brendan Harmon**, Brent Fogleman, Katherine Weaver, and Russell S Harmon (2010). "TanGeoMS: tangible geospatial modeling system." In: *IEEE transactions on visualization and computer graphics* 16.6, pages 1605–12. ISSN: 1077-2626. DOI: 10.1109/TVCG.2010.202.

CHAPTERS

Harmon, Brendan, Anna Petrasova, Vaclav Petras, and Helena Mitasova (2016). "Computational Landscape Architecture: Procedural, Tangible, and Open Landscapes". In: *Innovations in Landscape Architecture*. Edited by Jonathan R Anderson and Daniel Ortega. Routledge.

Harmon, Brendan, William D Goran, and Russell S Harmon (2014). "Sustainable Cities and Military Installations in the Twenty-First Century: Towards Sustainable Military Installations and Adaptable Cities". In: *Sustainable Cities and Military Installations*. Edited by Igor Linkov. NATO Science for Peace and Security Series C: Environmental Security. Dordrecht: Springer Netherlands. Chapter 2, pages 21–47. ISBN: 978-94-007-7160-4. DOI: 10.1007/978-94-007-7161-1.

PRESENTATIONS

Brooks, Joseph, Carlos Roman, **Harmon, Brendan**, Annicia Streete, and Nicholas Serrano (2025a). "Visualizing Spatial Audio in Digital Landscapes". Digital Landscape Architecture 2025. Anhalt University of Applied Sciences, Dessau, Germany.

Nam, Hye Yeon, JaNiece Campbell, **Brendan Harmon**, and Andrew M Webb (2025). "FloraWear: Crafting Living Wearables with Sustainable Materials". Yokohama, Japan. DOI: 10.1145/3706599.3721188.

Geymonat, Ludovico and **Brendan Harmon** (2024). "Hard Stone, Artificial Intelligence and the Chancel Screen in St Mark's, Venice". 36th Congress of the Comité International d'Histoire de l'Art. Lyon, France.

Harmon, Brendan and Hye Yeon Nam (2024a). "3D Printing Heritage Trees". Digital Landscape Architecture 2024. Vienna University of Technology, Austria.

Serrano, Nicholas, Annicia Streete, and **Brendan Harmon** (2024). "Endangered African American Burial Grounds of the Lower Mississippi: Acts of Reparation and Preservation". Southeast Chapter of the Society of Architectural Historians 2024 Annual Conference. Marietta, Georgia.

Harmon, Brendan and Hye Yeon Nam (2023a). "Ecological Robotics". Digital Landscape Architecture 2023. Harvard Graduate School of Design.

Harmon, Brendan and Nicholas Serrano (2022b). "The Complexities and Aesthetic Potential of Point Clouds as a Medium for Landscape Architecture". Council of Educators in Landscape Architecture 2022 Conference Proceedings. Santa Ana Pueblo, New Mexico.

Dempsey, Kara, Devin F Smith, **Brendan A Harmon**, Russell S Harmon, Jorge A Espinosa, and Steven T Goldsmith (2021). "Physical and climatic controls on nitrogen export across the Panama Canal Watershed". Geological Society of America Abstracts with Programs. Portland, Oregon.

Harmon, Brendan (2021b). "Multispectral Drone Data Analytics: Estimating the Carbon Stock of a Designed Meadow Through Time Series Analysis". Council of Educators in Landscape Architecture 2021 Conference Proceedings.

Serrano, Nicholas and **Brendan Harmon** (2021). "Digitizing Rosedown Plantation: Documentation Technologies for Landscape Ensembles". Southeast Chapter of the Society of Architectural Historians 2021 Annual Conference. Natchez, Mississippi.

Wright, Andrew, Tanvi Shah, and **Brendan Harmon** (2021). "Democratizing GIS: Open Source Tools for Everyday Mapping and Analysis". 2021 ASLA Conference on Landscape Architecture. Nashville, Tennessee.

Harmon, Brendan, Hye Yeon Nam, Sophie Lott, and Therese Potter (2020). "Complete Street Participatory Design Toolkit". Council of Educators in Landscape Architecture 2020 Conference Proceedings. Louisville, Kentucky. URL: https://thecela.org/wp-content/uploads/2020-CELA-Conf-Proceedings_V2.pdf.

Nam, Hye Yeon, Iyleah Hernandez, and **Brendan Harmon** (2020). "Unmasked". Adjunct Publication of the 33rd Annual ACM Symposium on User Interface Software and Technology. Virtual Event, USA. DOI: 10.1145/3379350.3416137.

Harmon, Brendan, Anna Petrasova, Payam Tabrizian, Vaclav Petras, and Helena Mitasova (2017). "Tangibly smart: an interactive watershed in your hands". World Bank Watershed Days. Washington, D.C. URL: https://ncsu-geoforall-lab.github.io/tangible-landscape-talk/worldbank2017.html.

Smith, Devin F., **Brendan Harmon**, Jorge Espinosa, Steven T. Goldsmith, and Russell S. Harmon (2017). "Evaluation of Climatic and Physical Controls and the Influence of ENSO Events on Long-Term Weathering and CO2 Consumption across the Panama Canal Watershed". Seattle, Washington. DOI: 10.1130/abs/2017AM-298750.

Harmon, Brendan, Anna Petrasova, and Vaclav Petras (2016). "Serious Gaming with Tangible Landscape". NCSU Coffee & Viz. Raleigh, NC. URL: http://ncsu-geoforall-lab.github.io/coffee-and-viz/hunt.html#/9.

Harmon, Brendan, Anna Petrasova, Vaclav Petras, Helena Mitasova, and Ross K Meentemeyer (2016a). "Creative spatial thinking with Tangible Landscape". American Association of Geographers Annual Meeting 2016. San Francisco, CA. URL: http://baharmon.github.io/aag-2016/.

– (2016b). "Tangible geographies". Royal Geographical Society Annual International Conference 2016. London.

Harmon, Brendan, Anna Petrasova, Vaclav Petras, Helena Mitasova, and Ross K Meentemeyer (2016c). "Tangible interaction for GIS". FOSS4G NA 2016. Raleigh, NC. URL: http://baharmon.github.io/foss4g-na-2016/.

Petrasova, Anna, Vaclav Petras, **Brendan Harmon**, and Helena Mitasova (2016). "Using GRASS GIS through Python and tangible interfaces". FOSS4G NA 2016. Raleigh, NC. URL: https://grasswiki.osgeo.org/wiki/Using_GRASS_GIS_through_Python_and_tangible_interfaces_(workshop_at_FOSS4G_NA_2016).

Mitasova, Helena, Anna Petrasova, Vaclav Petras, and **Brendan Harmon** (2015b). "Dynamic Landscapes in Open Source GIS". NCSU Coffee & Viz. Raleigh, NC. URL: https://geospatial.ncsu.edu/osgeorel/publications/coffeeandviz/#/.

Harmon, Brendan, Helena Mitasova, and Anna Petrasova (2014). "Tangible geospatial modeling for landscape architects". 2014 Geodesign Summit. Redlands, California. URL: http://video.esri.com/watch/3170/tangible-geospatial-modeling-for-landscape-architects.

Petrasova, Anna, **Brendan Harmon**, and Helena Mitasova (2014). "GIS-based modeling with tangible interaction." FOSS4G 2014. URL: https://vimeo.com/106854721.

Mitasova, Helena, **Brendan Harmon**, and Stephen B Blundell (2013). "Exploring topographic changes impacts on land surface processes using tangible interfaces". Geological Society of America Abstracts with Programs. Denver, CO. URL: https://gsa.confex.com/gsa/2013AM/webprogram/Paper229789.html.

REPORTS

Harmon, Brendan, Nicholas Serrano, and Annicia Streete (Feb. 2026). *African American Burial Grounds in the Louisiana River Parishes*. Technical report. Version 1.2.0. National Park Service. DOI: 10.5281/zenodo.18009933.

Harmon, Brendan, Josh Black, Peihong Han, Chadd Hippensteel, Xiaoman Ji, Sophie Lott, Murong Xu, and Yue Zhang (2019). *Spring Up! Denham Springs Masterplan*. Technical report. Baton Rouge: Coastal Sustainability Studio, Louisiana State University.

Harmon, Brendan, Hayden Hammons, Taylor Jacobson, Nguyet Nguyen, Elizabeth Peterson, Tanvi Shah, Xi Stich, and Andrew Wright (2019). *The Hungry River: Designing a Future for the Amite River's Former Sand and Gravel Mines*. Technical report. Baton Rouge: Coastal Sustainability Studio, Louisiana State University. DOI: 10.13140/RG.2.2.20859.87845.

Levine, Jay, Christopher Eads, Karl Wegmann, Helena Mitasova, Nathan Lyons, **Brendan Harmon**, Chanelle McCarther, Samantha Peart, Nicholas Oberle, and Mike Walter (2018). *Freshwater Bivalve Survey for Endangered Species Branch Fort Bragg, NC*. Technical report. US Army Corps of Engineers. DOI: 10.13140/RG.2.2.17512.11521.

Meentemeyer, Ross K., Francesco Tonini, Douglas Shoemaker, Richard C. Cobb, **Brendan Harmon**, Vaclav Petras, Anna Petrasova, and Helena Mitasova (2017). *Collaboratively managing sudden oak death using tangible geospatial modeling*. Technical report. Department of Agriculture,

Forest Service, Pacific Southwest Research Station. URL: https://www.fs.usda.gov/treesearch/pubs/53992.

SOFTWARE

Harmon, Brendan, Anna Petrasova, and Vaclav Petras, *r.earthworks* version 3.0.0, 2026. DOI: 10.5281/zenodo.15507391.

Harmon, Brendan, Helena Mitasova, and Vaclav Petras, *r.sim.terrain* version 1.2.0, 2021. DOI: 10.5281/zenodo.5076592.

DATASETS

Harmon, Brendan, Nicholas Serrano, Annicia Streete, Roman Carlos, Brooks Joseph, Chapman Cecil, Robertson Caroline, Baos Christos, and Hargis Graham (2026). *African American Burial Grounds in the Louisiana River Parishes*. Version 1.2.0. Zenodo. DOI: 10.5281/zenodo.17613647. URL: https://doi.org/10.5281/zenodo.17613647.

Harmon, Brendan (2025a). *Bayou L'Ours Dataset for GRASS*. Version 1.0.0. Zenodo. DOI: 10.5281/zenodo.15870441.

– (2025b). *Cloud Garden*. Version 1.0.0. Zenodo. DOI: 10.5281/zenodo.15670829.

– (2023a). *Atlas of Heritage Trees*. Version 3.0.0. Zenodo. DOI: 10.5281/zenodo.8353292.

– (2023b). *Cloud Forest*. Version 2.0.0. Zenodo. DOI: 10.5281/zenodo.8194066.

– (2023c). *Computational Design Dataset*. Version 1.1.0. Zenodo. DOI: 10.5281/zenodo.8191264.

– (2020h). *Governor's Island Dataset for GRASS GIS*. Version 2.0.0. Zenodo. DOI: 10.5281/zenodo.3940779.

– (2020i). *Governor's Island Dataset for QGIS*. Version 2.0.0. Zenodo. DOI: 10.5281/zenodo.4044663.

– (2020m). *Natural Earth Dataset for GRASS GIS*. Version 2.0.0. Zenodo. DOI: 10.5281/zenodo.3762773.

– (2019a). *Global Dataset for GRASS GIS*. Version 2.0.0. Zenodo. DOI: 10.5281/zenodo.3359631.

– (2019b). *Landscape Evolution Dataset*. Version 1.2.0. Zenodo. DOI: 10.5281/zenodo.2542928.

EXHIBITIONS

Martin, Debbie, Jazz Bishop, **Brendan Harmon**, and XYZ Collective (2026). *Gone But Not Forgotten: Black Cemeteries of West Baton Rouge*. West Baton Rouge Museum, Port Allen, Louisiana, USA. January 10 – March 7, 2026.

Harmon, Brendan and XYZ Collective (2025a). *Field Recordings*. LSU Museum of Art. Baton Rouge, Louisiana, USA. April 24 – August 3, 2025.

– (2025b). *Field Recordings*. LSU College of Art & Design Boyce Gallery. Louisiana State University, Baton Rouge, Louisiana, USA. September 4 – October 3, 2025.

– (2025c). *Field Recordings: African American Burial Grounds in the River Parishes*. American Anthropological Association 2025 Annual Meeting. Treme Market, New Orleans, Louisiana, USA. November 19 – 23, 2025.

– (2025d). *The Atlas of Heritage Trees*. Spectral Remix. Merchant House Gallery, New Orleans, Louisiana, USA. URL: https://www.spectralremix.org/. November 19 – 22, 2025.

Nam, Hye Yeon and **Brendan Harmon** (2025a). *Heritage Trees*. SIGGRAPH Art Gallery '25. Vancouver, British Columbia, Canada. DOI: 10.1145/3721249.3731629. August 10 – 14, 2025.

– (2025b). *Particle Forest*. 404 International Festival of Art & Technology. Gallery MC & The Players Club, New York City, New York, USA. October 7 – 9, 2025.

– (2025c). *Particle Forest*. Sympoiesis. Fort Hayes Tower Shot Gallery, Columbus, Ohio, USA. October 24 – December 11, 2025.

Nam, Hye Yeon, **Brendan Harmon**, Ka Hei Cheng, and Samira Awad (2023b). *Contingent Dreams*. ACM TEI Art & Performance. Copernicus Science Centre, Warsaw, Poland. February 26 – March 1, 2023.

Nam, Hye Yeon, **Brendan Harmon**, and Michael Pasquier (2022). *Shifting Datum*. ACM Creativity & Cognition Art Exhibition. Istituzione Fondazione Bevilacqua la Masa, Venice, Italy. URL: https://cc.acm.org/2022. June 22, 2022.

Nam, Hye Yeon, **Brendan Harmon**, Michael Pasquier, and Ka Hei Cheng (2022). *Shifting Datum*. 9th Annual Gulf South Open Call Exhibition: Remember Earth? Contemporary Arts Center of New Orleans, New Orleans, Louisiana, USA. URL: https://cacno.org/visual-arts/remember-earth. July 30 – September 25, 2022.

Nam, Hye Yeon and **Brendan Harmon** (2021). *Contingent Dreams*. 404 International Festival of Art & Technology. URL: https://youtu.be/z6zmj4uzvTg. June 22, 2022.

– (2019b). *Shifting Datum*. Baton Rouge Gallery, Baton Rouge, Louisiana, USA. URL: https://www.batonrougegallery.org/nam-may2019. May, 2019.

GRANTS

Harmon, Brendan, Jesse Allison, Hye Yeon Nam, Carlos Roman, and Joseph Brooks (2025). *Welikia Soundscape Engine*. The New York Botanical Garden (NYBG). $19,992.

Streete, Annicia, **Brendan Harmon**, Brent Fortenberry, Hye Yeon Nam, and Farzaneh Oghazian (2024–2025). *Digital Futures: Emerging Technology for Coastal Preservation*. Louisiana State University, Big Idea Research Grant. $75,000.

Harmon, Brendan (2023e). *The Atlas of Heritage Trees: Digitizing the Big Cypress on Cat Island*. Louisiana State University, Arts & Humanities Project Support Fund. $3,000.

Streete, Annicia, **Brendan Harmon**, and Nicholas Serrano (2023–2024). *Creating Digital Models of African American Burial Grounds in Southeastern Louisiana River Parishes*. Architectural Research Centers Consortium. $10,000.

– (2023–2025). *Recording African American Burial Grounds as Points Clouds*. National Park Service, Preservation Technology and Training Grants. $20,469.

Harmon, Brendan (2022–2023). *Vertical Harvest: 3D Printed Ceramic Green Wall for the LSU Hill Farm*. Louisiana State University, Student Sustainability Fund. $16,016.

Harmon, Brendan, Hye Yeon Nam, Frederick Ostrenko, Hunter Gilbert, Marcio de Querioz, and Corina Barbalata (2022–2023). *Autonomous Construction of the Natural and Built Environment*. Louisiana State University, Student Technology Fee. $115,000.

Jafari, Navid, Marcio de Queiroz, Tracy Quirk, Traci Birch, and Sam Bentley (2021–2023). *Center for Coastal Deltaic Innovation, Research, & Technology*. National Science Foundation, Industry-University Cooperative Research Centers Planning Grant. $20,000. Senior Personnel: 4.5% Credit.

Zhu, Yimin and **Brendan Harmon** (2021). *A pilot study on indoor living walls: Developing an integrated model for indoor comfort and stress reduction*. Louisiana Board of Regents, Research Competitiveness Subprogram. $20,000.

Nam, Hye Yeon, Corina Barbalata, **Brendan Harmon**, Hunter Gilbert, and Marcio de Querioz (2020–2021). *Robots in Nature: Creative Environmental Applications for Robotics*. LSU Center for Collaborative Knowledge, Collaborative Seminar Grant. $3,500.

Serrano, Nicholas and **Brendan Harmon** (2020–2021). *Rosedown Plantation 3D Scan and Documentation*. National Park Service, Historic Preservation Fund Grant. $39,903.

Serrano, Nicholas, **Brendan Harmon**, Christopher Cox, Amy Luther, and Kory Konsoer (2020–2021). *Tangibly Teaching Terrain with Mixed Reality Terrain Models*. LSU Center for Collaborative Knowledge, Collaborative Seminar Grant. $3,500.

Harmon, Brendan, Hye Yeon Nam, Corina Barbalata, Hunter Gilbert, and Marcio de Querioz (2019–2020). *Ecological Robotics*. Louisiana State University, Student Technology Fee. $77,000.

Harmon, Brendan, Hye Yeon Nam, Marcio de Querioz, Hunter Gilbert, and Tracy Quirk (2019–2021). *Robots in Nature: Human-Robot-Environment Interaction for Advanced Ecosystem Services*. Louisiana State University, Faculty Research Grant. $72,500.

Berkowitz, Zachary, Vincent Cellucci, **Brendan Harmon**, Niloufar Emami, Marc Aubanel, Hye Yeon Nam, Jun Zou, Phillip Tebbutt, and Marsha Cuddeback (2018–2019). *Navigate, Fabricate, Simulate*. Louisiana State University, Student Technology Fee. $120,000.

Birch, Traci, Kris Palagi, and **Brendan Harmon** (2018–2019). *Improving Quality of Life in the Amite River Watershed through Strategic Community-level Green Infrastructure*. Lamar Family Foundation. $100,000.

Harmon, Brendan (2018b). *Dynamic Landscape Evolution*. Louisiana State University, Council on Research Summer Stipend. $5,000.

Berkowitz, Zachary, Vincent Cellucci, Frederick Ostrenko, Jason Crow, **Brendan Harmon**, Johanna Warwick, and Philip Tebbutt (2017–2018). *The Mixed Reality Garage: Labs for the Future of Art and Design*. Louisiana State University, Student Technology Fee. $116,559.

Birch, Traci, Clinton Willson, Robert Twilley, Niki Pace, Aimee Moles, **Brendan Harmon**, and Katie Cherry (2017–2021). *Inland from the Coast: A multi-scalar approach to regional climate change responses*. National Academy of Science and Robert Wood Johnson Foundation, Gulf Research Program. $3,068,610.

Queiroz, Marcio de, Hunter Gilbert, Jason Crow, Frederick Ostrenko, **Brendan Harmon**, and Hye Yeon Nam (2017–2018). *LSU Robotics = Engineering + Art + Design*. Louisiana State University, Student Technology Fee. $83,325.

AWARDS

Nam, Hye Yeon, **Brendan Harmon**, and Ka Hei Cheng (2023). *Living Typography*. Type Directors Club Award.

Lott, Sophie (2020). *Re-Ar-Range Ave*. Advised by **Brendan Harmon**. ASLA Louisiana Chapter, Student Merit Award.

Wright, Andrew (2020). *The Siltcatcher: A Sediment-Capture System for Wetland Creation and Coastal Protection in Western Lake Pontchartrain*. Advised by **Brendan Harmon**. American Society of Landscape Architects, Student Honor Award: General Design. URL: `https://www.asla.org/2020studentawards/1267.html`.

Hammons, Hayden, Taylor Jacobsen, Nguyet Nguyen, Betsy Peterson, Tanvi Shah, Xi Stich, and Andrew Wright (2019). *The Hungry River*. Advised by **Brendan Harmon**. ASLA Louisiana Chapter, Student Merit Award.

O'Mahoney, William and Chenfeng Lu (2018). *Elmer's Island Wildlife Refuge*. Advised by **Brendan Harmon**. ASLA Louisiana Chapter, Student Merit Award.

PANELS

National Science Foundation	Review Panel	5	2021
Louisiana State University	Big Idea Review Panel	20	2022

REVIEWS

Geosciences	1	2018
Sustainability	1	2018
ISPRS International Journal of Geo-Information	4	2018–2021
Frontiers in Ecology and Evolution	1	2019
Geographic Information Science & Tech. Body of Knowledge	1	2019
Journal of Open Source Software	1	2020
Environmental Earth Sciences	1	2020
ACM Designing Interactive Systems	1	2021
ACM Creativity and Cognition	4	2023, 2025
ACM Tangible, Embedded, and Embodied Interaction	1	2025
International Journal of Architectural Computing	1	2023
Environmental Monitoring and Assessment	1	2024
Landscape Research Record	5	2018–2024
Digital Landscape Architecture	20	2024–2026
ASCA Intersections Research Conference	5	2025

SERVICE

GRASS Geospatial Engine

GRASS Development Team	Developer	2019–present
GRASS Developers Summit	Participant	2025

Louisiana State University

Exploratory Committee on AI	Member	2021–2022
Elements Test User Group	Member	2022

LSU College of Art & Design

Technology Committee	Member	2017–present
Foundations Curriculum Committee	Member	2017–2018
Art & Design Curriculum Committee	Member	2022–2023
IT Manager Search Committee	Member	2022
FabLab Manager Search Committee	Member	2022

LSU Robert Reich School of Landscape Architecture

Accreditation Committee	Member	2017–2023
Graduate Curriculum Committee	Member	2017–2025
Faculty Search Committees	Member	2017–2019
Hilltop Arboretum Director Search	Member	2021–2022
Graduate Curriculum Committee	Chair	2023–2025
Faculty Search Committees	Chair	2024–2025

LSU DDES COURSES

Special Topics (2022).

Digital Humanities (2018).

LSU MLA COURSES

Computational Design (2026).

Urban Systems Studio (2026).

Design Research (2025).

Emerging Paradigms (2024).

Thesis Preparation (2024).

Research Methods (2023).

Advanced Topics Studio I (2019–2023).

Ecological Robotics (2019).

GIS for Designers (2019–2022).

Advanced Topics Studio II (2018–2019).

Media II (2018–2023).

Thesis (2018–2020).

Media III (2017–2024).

Water Systems Studio (2017–2018).

LSU BLA COURSES

Urban Design Studio (2024).

Landscape Planning (2019–2022).

Landscape Representation III (2018–2023).

NCSU MLA COURSES

GIS for Designers (2014–2016).