

# BRENDAN HARMON



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## EDUCATION

|             |   |                                      |
|-------------|---|--------------------------------------|
| 2013 – 2017 | <b>PhD in Design</b><br>Co-major in Forestry & Environmental Science                            | North Carolina State University      |
| 2010 – 2012 | <b>Master's of Philosophy in Geography</b><br>Focus in Biodiversity, Conservation, & Management | University of Oxford                 |
| 2005 – 2008 | <b>Master's of Landscape Architecture</b>   | Harvard Graduate School of Design    |
| 2001 – 2005 | <b>Bachelor's of Art</b><br>Major in Art History  | Sewanee: the University of the South |

## ACADEMIC APPOINTMENTS

|                |   |                                 |
|----------------|---|---------------------------------|
| 2024 – present | <b>Associate Professor</b><br>Landscape Architecture  | Louisiana State University      |
| 2023 – 2025    | <b>Graduate Coordinator</b><br>Landscape Architecture | Louisiana State University      |
| 2017 – 2024    | <b>Assistant Professor</b><br>Landscape Architecture  | Louisiana State University      |
| 2017           | <b>Postdoctoral Fellow</b><br>Geospatial Analytics    | North Carolina State University |

## PROFESSIONAL PRACTICE

|             |                           |                      |
|-------------|---------------------------|----------------------|
| 2008 – 2009 | <b>Landscape Designer</b> | EDAW AECOM Guangzhou |
|-------------|---------------------------|----------------------|

## CERTIFICATES

|                |                                 |     |
|----------------|---------------------------------|-----|
| 2025 – present | <b>Remote Pilot Certificate</b> | 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 CO<sub>2</sub> 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](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](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](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 CO<sub>2</sub> 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.

- (2016c). “Tangible interaction for GIS”. FOSS4G NA 2016. Raleigh, NC. URL: <http://baharmo.n.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\\_\(workshop\\_at\\_FOSS4G\\_NA\\_2016\)](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 (Dec. 2025). *African American Burial Grounds in the Louisiana River Parishes*. Technical report. Version 1.0.0. 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** (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.

**Harmon, Brendan**, Nicholas Serrano, Streete Annicia, Roman Carlos, Brooks Joseph, Chapman Cecil, Robertson Caroline, Baos Christos, and Hargis Graham (2025). *African American Burial Grounds in the Louisiana River Parishes*. Version 1.0.0. Zenodo. DOI: 10.5281/zenodo.17613647. URL: <https://doi.org/10.5281/zenodo.17613647>.

**Harmon, Brendan** (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). *We-lika 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<br>Louisiana State University | Review Panel<br>Big Idea Review Panel | 5<br>20 | 2021<br>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).

*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 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).

**LSU BLA COURSES**

*Urban Design Studio* (2024).

*Landscape Planning* (2019–2022).

*Landscape Representation III* (2018–2023).

**NCSU MLA COURSES**

*GIS for Designers* (2014–2016).