

**Registration** Landscape Architect. Licensed in the state of Texas since October 2014

**Education**

- 2018 – 2023 **University of Washington (UW)**  
PhD, College of the Built Environment  
Interdisciplinary Program of the Built Environment  
Sustainability Systems and Prototypes Track
- 2007 – 2012 **Kansas State University (KSU)**  
Master of Landscape Architecture  
Prince of Wales's Foundation for the Built Environment: Study abroad, July 2009

**Teaching Experience**

- 2023 – present **Virginia Tech**  
Assistant Professor, Blacksburg, VA  
Classes:  
'23 Fall Semester, VT, LAR 3154/4304/5304G Watershed Sensitive Design and Construction  
'23 Fall Semester, VT, LAR 2015 Design Studio - Places and Process  
'23 Spring Semester, VT, LAR 4014/5014 Design Studio - Design and Construction Documentation
- 2018 – 2023 **University of Washington**  
PhD Candidate and Pre-Doctoral Instructor, Seattle, WA  
Classes:  
'22 & '23 Spring Quarter, UW, LARCH 363 Ecological Design and Planning (3 credit course - 60 students)  
'22 & '23 Winter Quarter, UW, LARCH 440 Digital Media I in Landscape (3 credit course - 27 students)  
'21 Pre Fall Quarter, UW, Design Prep Week Digital Drawing (0 credit course - 31 students)  
'20 Pre Fall Quarter, UW, Design Prep Week (0 credit course - 25 students - Co-taught with Elizabeth Umbanhowar)  
- Virtual Course  
'20 Summer Quarter, UW, LARCH 498: Landscape Literacy Seminar (2 credit - 12 students) - Virtual Course  
'19 Fall Quarter, UW, LARCH 341: Site Design + Planning (3 credit course - 51 students)  
'19 Pre Fall Quarter, UW, Design Prep Week (0 credit course - 30 students - Co-taught with Mackenzie Waller and Nicki Bloom)  
'19 Summer Quarter, UW, LARCH 300: Introduction to Landscape Architecture Studio (6 credit - 15 students)

**Practice Experience**

- 2016 – 2018 **Living Habitats** (a 6+ member ecology-based design firm):  
Landscape Architect, Chicago, IL  
Selected Projects:  
Gillson Park Bird Habitat Restoration, Evanston Community Habitat Project, 750 acre Private Estate and Corporate Campus Restoration and Design, Chicago Botanic Garden - Cooling Tower, Lakeshore East High Rise Residential Towers, Private Residences along the lake shore in Illinois and Michigan
- 2015 **Wolff Landscape Architecture** (a 12+ member regional design firm):  
Landscape Architect, Chicago, IL
- 2012 – 2015 **RVi Planning and Landscape Architecture** (a 25+ member regional design firm):  
Landscape Architect, Austin, TX  
Selected Projects:  
Pflugerville Parks and Trails, Caliterra Community, Walsh Ranch Community, Verrado Active Adult Community, Mueller Community Parks, Easton Park, Trinity Falls Community

## Practice (cont.)

- 2011 **BNIM** (a 75+ member national multi-disciplinary design firm):  
Intern (7-months), Kansas City, MO  
Selected Projects:  
Ronald McDonald House Charities, UMKC Parking Garage, EPA's Greening America's Capitals - Jefferson City, MO, Comprehensive Plan post-tornado - Tuscaloosa, AL

## Research

- 2021 - 2023 Towards a Holistic Landscape: Understanding, Repairing, and Sustaining Systems (Dissertation)  
Research focused on understanding how landscape design can tell stories about the land and enhance human connection to the place. Specifically, this study addressed shoreline, post-industrial landscape case studies in Seattle, Milwaukee, and New York City.
- 2020 - 2023 Sweetgrass Living Shorelines Research Project with the Green Futures Lab (Nancy Rottle, PI, UW)  
Designed, deployed, and monitored living shorelines in WRIA 8 urban waters of Seattle to promote juvenile salmon habitat. Research focused on plant growth and fish use of structures.
- 2020 Landscape Architecture Foundation Case Study Investigation: Liberty Bank Building, Seattle, WA  
(Catherine De Almeida, Faculty Advisor/PI, UW)  
Focused on environmental, social, and economic performance benefits of the affordable housing site that used Afrocentric design to celebrate the history of the Black community in Seattle. Research focused on how the site was designing social infrastructure to support the community in a gentrified neighborhood. Primary research evaluated social impacts and human use of the site.
- 2019 - 2020 Duwamish Floating Wetlands Proof of Concept with the Green Futures Lab (Nancy Rottle, PI, UW)  
2019 - Built and deployed constructed floating wetlands (CFW) to the Duwamish River. As a multidisciplinary research team, we studied habitat through CFW design, salmon use, invertebrates, water quality measures, and plant health. I led the methods, collection, and analysis for design, water quality, and plants.  
2020 - Refurbished existing CFWs and built new prototypes to test in fresh and salt water. I oversaw field research collection and analysis on plant growth, fish use, invertebrate production, and water quality.

## Grants

- 2022 - 2024 King County Waterworks 2021 (assisted with UW Green Futures Lab, Nancy Rottle, PI)
- 2021 - 2022 City of Seattle Neighborhood Matching Grant, Small Sparks Grant, \$4,350  
Sweetgrass Arts (co-writer and co-organizer with Nancy Rottle)  
Funding aided in the design and installation of art elements to enhance landscape narratives and educate people about the floating wetlands as they walk through the site. Local artists submitted their design ideas for the art elements.

## Funding

- 2023 Conference Travel support, \$1,000, travel to Texas for CELA
- 2022 Dean's Dissertation Research Grant, \$3,500, funding for research travel to New York City to conduct surveys and interviews at Hunters Point South, the case study location
- 2022 Conference Travel Support, \$1,000, travel to New Mexico for CELA
- 2022 Conference Travel Support, \$1,000, travel to Washington DC for LAF Summit on the Green New Deal
- 2020 LAF CSI Student Research Assistant, \$4,500, funding for research time and writing
- 2019 - 2023 Pre-Doctoral Instructor or Graduate Student Staff Support, includes tuition, health insurance, stipend
- 2018 - 2019 1st year PhD Fellowship, included tuition, health insurance, stipend

## Publications (peer reviewed)

- 2022 with Leann Andrews, Ashley Marrco Powell, and Nancy Rottle. "Advancing equity and justice through community science programming in design, construction, and research of a nature-based solution: the Duwamish floating wetlands project" 2022. *NBS Special Issue*. Socio-Ecological Practice Research.
- 2022 with Nancy Rottle, Mason Bowles, and Leann Andrews. "Constructed Floating Wetlands: A "Safe-to-Fail" Study with Multi-Sector Participation" 2022. *Restoration Ecology*.
- 2021 with Catherine De Almeida. "Liberty Bank Building." 2021. *Case Study Investigation*. Landscape Architecture Foundation.

### Publications (not peer reviewed)

- 2023 Towards a Holistic Landscape: Understanding, Repairing, and Sustaining Systems
- 2022 Sweetgrass Living Shorelines Monitoring Report
- 2020 Duwamish Floating Wetlands Monitoring Report - Year 2
- 2019 Duwamish Floating Wetlands Monitoring Report - Year 1
- 2012 Masters Project and Report: Wetlands: A Flooding Solution
- 2012 Masters Multi-Disciplinary Group Study: Watershed Assessment for River Stability and Sediment Supply Applied to Wildcat Creek Watershed in Riley County, Kansas

### External Peer-Reviews

- 2022 Routledge Handbook of Urban Biodiversity, chapter review (with Ken Yocom)
- 2022 LAF Case Study Investigation, peer reviewer

### Conference/Invited Presentations

- 2023 Landscape Architecture First Symposium at Virginia Tech  
Sweetgrass Case Study: Exploring Interventions with Salmon and Community Engagement at the Forefront of the Landscape
- 2023 American Society of Landscape Architecture Conference (National)  
Designing and Implementing Floating Wetlands for Biodiversity and Human Connections to Nature (with Nancy Rottle, Phil Nicodemus and Galen Y. Fulford)
- 2023 University of Oregon Case Study Series  
Design and Research for Living Shorelines: A case study for Uni. of Oregon (with Nancy Rottle)
- 2023 The Council of Landscape Architecture Conference  
Sweetgrass: Using Floating Wetlands, Eco-Art, and Community Engagement to Improve People-Environment Relationships
- 2022 Pathways toward the Future: Assessing the Digital Dimensions of Urban Dynamics Symposium (virtual)  
Natural Resources and the Urban Environment (moderator, panelists include Felipe Correa and Jan Whittington)
- 2022 The Council of Landscape Architecture Conference  
Urban Floating Wetlands: Living Shoreline Research on the Duwamish River (with Nancy Rottle and Leann Andrews)
- 2021 Association of Pacific Rim Universities' Sustainable Cities & Landscapes Live Webinar Series (virtual - invited presentation)  
Community Engagement in Living Shorelines Research Projects (with Nancy Rottle)
- 2021 Just Sustainabilities in a Post-Pandemic World Symposium (virtual)  
Equitable Water Systems (panel organizer, co-moderator with Nancy Rottle, panelists included Leann Andrews and Alpa Newre)
- 2021 Society of Wetland Scientists Conference (virtual)  
Duwamish River Floating Wetlands Project (with Nancy Rottle, Mason Bowles, and Leann Andrews)
- 2021 Green Infrastructure Summit (virtual)  
Evolving Living Shorelines: Design and Research to Restore our Urban Estuaries (with Nancy Rottle, Mason Bowles, and George Thomas Jr.)
- 2020 Landscape Architecture Foundation Case Study Investigation (virtual)  
Liberty Bank Building (with Catherine De Almeida)
- 2019 Washington American Society of Landscape Architecture Conference  
Digging Deeper: The Role of the PhD in the Landscape Architecture Profession (with Leann Andrews, Sara Jacobs, Elizabeth Umbanhowar, and Ken Yocom)

## Service and Scholarly Activities

- 2021 – 2023 Landscape Architecture Foundation (LAF) Board of Directors
- 2021 – 2023 College of Built Environment PhD Steering Committee, student representative, UW
- 2021 – 2022 Built Environments PhD Conversations, organizer, UW
- 2021 Just Sustainabilities in a Post-Pandemic World Symposium, co-organizer and technology leader
- 2021 Teaching and Learning Symposium through the Center For Teaching and Learning, abstract reviewer
- 2019 – 2023 University of Washington Presentations and Guest Lectures  
Duwamish Floating Wetlands with Pacific Science Center with Adrienne Hampton (2019), MUP Research Design and Thesis Prep Panel with Elizabeth Umbanhowar, Dorian Bautista, and Peter Dunn (2019), ESRM/SEFS 490/590 Holistic Environmental Stories and Games (2021), Sweetgrass Kids Day with Tim Lehman (2021 - co-organizer/presenter), LARCH 498/598 Perceptions of Nature in Design (2022)
- 2019 – 2021 Visual Resource Center, College of Built Environment, employee  
Recorded and edited video production for invited lectures  
Facilitated technology set up, support, speaker help, and Zoom webinar for international *Pandemic Urbanism Symposium*, #CBEchronicles, and *Just Sustainabilities in a Post-Pandemic World*
- 2019 LARCH 303 Ecological Systems Studio with Julie Johnson and Brooke Sullivan, observer/support, UW
- 2018 – 2023 Invited reviewer for introductory studios to thesis reviews, UW
- 2018, 2021 – present Landscape Architecture Foundation, Olmsted Scholar Committee
- 2008 – 2012, 2022 Kansas State University Scholarly Activities  
Invited reviewer: Student Portfolio Review (2022)  
Student representative: Faculty Search Committee (2011-2012), Dean's Student Advisory Council (2011-2012), Design Expo/Mock Interview Committee (2010-2012), LARCP Student Advisory Council (2009-2010), Student Ambassador for College of Architecture, Planning and Design (2008-2012)

## Honors and Awards

- 2022 APDesign Alumni Honoree, KSU
- 2014 RVi Employee of the Quarter, Summer
- 2012 Landscape Architecture Foundation, University Olmsted Scholar
- 2012 Kansas State University Awards  
Outstanding Graduate Research Award, KSU; Dr. Robert P. Ealy Award, KSU; ASLA Honor Award - KSU; Tau Sigma Delta honor society in architecture and allied arts
- 2007 – 2012 Kansas State University Scholarships  
Robert P. Ealy Scholarship from LARCP and KSU (2011), Golf Course Builders Association of America Scholarship (2010), KSU Honors Scholarship (2007-2012)

## Professional Memberships + Organizations

- 2008 – present American Society of Landscape Architects (ASLA), member  
Attended national ASLA conferences in San Diego (2011), Phoenix (2012), Chicago (2015), New Orleans (2016), Los Angeles (2017), Nashville (2021), San Francisco (2022), and Minneapolis (2023)
- 2019 – 2023 Washington American Society of Landscape Architects, member  
Attended and presented at 2019 conference
- 2016 – 2018 Illinois American Society of Landscape Architects, member
- 2012 – 2015 Texas American Society of Landscape Architects, member  
Attended and helped organize 2013 TX ASLA conference in Austin
- 2013 – present Council of Landscape Architecture Registration Boards, member
- 2010 – 2012 KSU chapter of Mortar Board, member  
A national honor society recognizing seniors for achievements in scholarship, leadership, and service

## Volunteer Opportunities

- 2015 - 2018 Chicago Bronze Handbell Ensemble, ringer
- 2012 - 2015 Austin Handbell Ensemble, ringer
- 2012 - 2015 First Tee of Austin, volunteer coach
- 2011 First Tee of Kansas City, volunteer coach