

Domani Turner-Ward

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An M.S. Environmental Science student pursuing an interdisciplinary career that combines natural resource management and creative scientific communication. I aim to gain experience in conservation planning and to network with practitioners from a variety of fields in pursuit of cross-disciplinary collaboration.

Education

Master of Science, Environmental Science Thesis Track (Ongoing)

GPA: 4.0

Expected: August 2026, University of West Florida, Pensacola, Florida

Bachelor of Science, General Biology & Bachelor of the Arts, Studio Art

GPA: 3.97

August 2024, University of West Florida, Pensacola, Florida

Associate of the Arts, General Studies

GPA: 3.95

May 2019, Northwest Florida State College, Niceville, Florida

Recognition and Awards

Awarded a Student & Young Professional Scholarship for the 2025 Partners in Community Forestry Conference.

Selected as a 2024 Princeton Ecology and Evolutionary Biology Scholar.

Won *Best in Show* at the 2024 UWF High Impact Practice Showcase.

Featured in the Spring 2023 edition of University of West Florida *Connections* Alumni Magazine.

Published in the 2022 International Symposium on Electronic Art Proceedings.

Awarded *Best Environmental Science Presentation* at the 2021 UWF Student Scholars Symposium.

Research Experience

Conducted at the University of West Florida, Pensacola, Florida

A Capacity Assessment Tool for Conservation Programs at Higher Education Institutions

Fall 2024 – Summer 2026 (Ongoing)

Mentor: Chasidy Hobbs, UWF Director of Conservation

- Conducted a literature review surrounding organizational capacity assessment, especially as it relates to conservation and protected area management.
- Developed a novel capacity assessment tool specifically designed to be used by conservation leaders at colleges and universities.
- Accepted to present at the 2025 American Geophysical Union Annual Meeting.

Developing a Conservation Program Plan for the University of West Florida

Fall 2023 – Summer 2024

Mentor: Chasidy Hobbs, UWF Director of Conservation

- Researched and networked with conservation programs at several other higher education institutions.
- Reviewed institutional plans and met with faculty, staff, and administrative leaders to gain an understanding of UWF's natural areas, long term goals, and novel programming development processes.
- Collaborated within a team to propose an Argos Conservation Corps Collective.
- Conducted a literature review to gain an understanding of relevant conservation strategies.
- Presented work at the 2024 National Conference on Undergraduate Research in Long Beach, California.

Resurrecting Data as a Phenomenological and Spatial Object

Fall 2021 – Summer 2022

Mentor: Prof. Thomas Asmuth

- Designed a sculpture to bridge gaps in scientific communication, basing its form and concept in philosophical study of phenomenology and Deleuzian multiplicity.
- Fabricated a maquette, with techniques including 3D modeling in Fusion360, 3D-printing, laser engraving, CNC milling, and electronics soldering.
- Presented remotely for the 27th International Symposium on Electronic Art, Barcelona, Spain.

Greenough's *Washington* as a 3D-Printed Commemorative Object

Summer 2022

Mentors: Prof. Thomas Asmuth & Dr. Jocelyn Evans

- Taught a peer the full 3D-printing process, from preparing files to cleaning prints.
- Produced twenty-eight models of a controversial statue for an academic client.
- Presented work as a poster at the 2023 Southern Regional Honors Conference, Charlotte, North Carolina and at the 2023 UWF Student Scholar Symposium.

Defining the Relationship between Turbidity and Aerobic Anoxygenic Phototrophic Bacteria from Local Waterways, Measured Using Infrared-Based Technology

Spring 2022

Mentors: Prof. Thomas Asmuth & Dr. Lisa Waidner

- Collaboratively utilized design thinking to develop and fabricate improvements to a near-infrared (NIR) turbidity sensor alongside teammates from multiple disciplines.
- Fabricated an Arduino-based sensor apparatus, with steps including modeling the device housing using Fusion360 and soldering electronic components.
- Presented work as a group poster at the 2022 UWF Student Scholar Symposium.

Analyzing and Visualizing Porewater Nutrient Concentration Data

Fall 2019 – Spring 2021

Mentor: Dr. Matthew Schwartz

- Collected porewater nutrient samples in the field using specialized equipment.
- Analyzed samples alongside standards to determine nutrient concentration using spectrophotometry.
- Explored interdisciplinary methods of data communication and analysis.
- Presented work at the 2021 National Conference on Undergraduate Research and the 2021 Student Scholars Symposium.
- Won *Best Environmental Science Presentation* at the 2021 UWF Student Scholar Symposium.

Mapping the Potential of Conflict – Transboundary Viewsheds

Spring 2020

Mentor: Dr. Derek Morgan & Dr. Jocelyn Evans

- Collaborated with other students to record and visualize field observations relating to viewsheds across property lines at Pensacola Beach.
- Made research contributions that were presented by faculty at the 23rd International Research Symposium on Cartography and GIScience.
- Presented work at the UWF 2020 Student Scholar Symposium.

Community Service

Tree Advisory Committee Member

February 2025 – Present

University of West Florida, Pensacola, Florida

- Served as the student member of the committee responsible for maintaining UWF's status as a Tree Campus USA.

Argos Edible Campus Volunteer

September 2022 – May 2024

University of West Florida, Pensacola, Florida

- Spent over 100 hours participating in a program which aims to address food insecurity among university students by planting edible gardens and orchards throughout the campus.
- Identified a blackberry patch near student dormitories that needed maintenance and took responsibility for its wellbeing for a full year, providing weekly care and monitoring.
- Assisted with seasonal tree and garden plantings.

Work Experience

Conservation Graduate Assistant

August 2024 – Present

Supervisor: Chasidy Hobbs, UWF Director of Conservation and Instructor

Department of Earth and Environmental Sciences, University of West Florida, Pensacola, Florida

- Assisted in the development and implementation of a new university-wide conservation program.
- Networked with professionals throughout the campus and beyond to explore potential conservation-related programming and collaborations.
- Researched and drafted materials including presentations, infographics, and a sample program website.
- Worked with conservation leaders to pursue the formation of a collaborative network among Florida higher education institution conservation programs.
- Pursued enhanced protection designations, such as the Florida Natural Areas Inventory, for university conservation lands.

Department of Art and Design Assistant

January 2022 – May 2024

*College of Arts, Social Sciences, and Humanities, University of West Florida, Pensacola, Florida***Office Assistant**

August 2023 – May 2024

Supervisor: Miriam Hoover

- Devised and practiced a standardized database entry method for artwork inventory and accession records spanning three decades.
- Located, identified, and recorded loaned artwork throughout the university campus.

Teaching Assistant

January 2022 – May 2023

Supervisor: Prof. Thomas Asmuth

- Assisted facilitation of the UWF course *Introduction to Digital Studio Practice*.
- Guided students in applying course material including fundamental HTML coding, electronics soldering, and Adobe Create Cloud Suite program skills.

UWF Makerspace Assistant

September 2022 – May 2023

Supervisor: Prof. Thomas Asmuth

- Contributed to establishing a makerspace facility, from the initial move-in to its opening ceremony and beyond.
- Developed training materials for multiple devices, including laser engravers, soldering stations, and an embroidery machine.
- Conducted public outreach at events such as the 2022 Pensacola Mini Maker Faire and Pensacon 2023.

Academic Success Coach

November 2020 – May 2022

Center for Academic Success, University of West Florida, Pensacola, Florida

- Regularly met and worked with individual students to build habits to foster their academic success.
- Presented and facilitated workshops focused on study skills and time management.
- Thoroughly documented all meetings and goal-oriented progress with clients.

Diversity and Inclusion Peer Leader

November 2019—May 2020

Office of Equity and Diversity, University of West Florida, Pensacola, Florida

- Researched, prepared, and delivered an interactive presentation on respectful communication surrounding disability.
- Developed an understanding of diversity within the University of West Florida student population and completed a C3 Certification.

Symposia and Conferences

Publications

Asmuth, T. & Turner-Ward, D. (2022). Resurrecting data as a phenomenological and spatial object. *Proceedings of the 2022 International Symposium on Electronic Art*, 1095-1096. <https://isea2022.isea-international.org/wp-content/uploads/2023/02/ISEA2022-BCN-Proceedings.pdf>

Presentations

Turner-Ward, D., Amos, A., Armbruster, A., Crosby, B., Jackson, D., & Owusu-Daaku, K. (2025, April 17). *Data (Brent): Brent and Goulding Past, Present, Future*. University of West Florida 2025 Student Scholar Symposium and Faculty Research Showcase, Pensacola, Florida, United States. <https://uwf.edu/academic-affairs/departments/undergraduate-research/student-symposium--faculty-research-showcase/>

Turner-Ward, D. & Hobbs, C. (2024, April 18). *Developing a Conservation Program Plan for the University of West Florida*. University of West Florida 2024 Student Scholar Symposium and Faculty Research Showcase, Pensacola, Florida, United States. <https://uwf.edu/media/university-of-west-florida/academic-affairs/departments/our/symposium/OUR-Symposium-Program-2024-FINAL.pdf>

Turner-Ward, D. & Hobbs, C. (2024, April 8-11). *Developing a Conservation Program Plan for the University of West Florida*. National Conference on Undergraduate Research, Long Beach, California, United States. <https://www.cur.org/events-services/ncur/>

Turner-Ward, D., Brown, M., Asmuth, T., & Evans, J. (2023, April 20). *Greenough's George Washington as a 3D-Printed Commemorative Object*. University of West Florida 2023 Student Scholar Symposium and Faculty Research Showcase, Pensacola, Florida, United States. <https://uwf.edu/media/university-of-west-florida/academic-affairs/departments/our/symposium/OUR-Symposium-Program-2023---FINAL.pdf>

Turner-Ward, D., Brown, M., Asmuth, T., & Evans, J. (2023, March 30—April 2). *Greenough's George Washington as a 3D-Printed Commemorative Object*. Southern Regional Honors Conference 2023, Charlotte, North Carolina, United States. <http://www.srhconline.org/events/srhc2023>

Asmuth, T. & Turner-Ward, D. (2022, June 10-16). *Resurrecting data as a phenomenological and spatial object*. 2022 International Symposium on Electronic Art, Barcelona, Spain. <https://youtu.be/4pEL-rDecSE?si=d35WV-G5Alr0Gx52>

Kerowa, D., McIntyre-Willis, G., Moore, S., Peck, A., Robbins, B., Turner-Ward, D., Asmuth, T., & Waidner, L. (2022, April 14). *Intersection of and biology: A study defining the relationship between turbidity and aerobic anoxygenic phototrophic bacteria from local waterways, measured using infrared-based technology*. University of West Florida 2022 Student Scholar Symposium and Faculty Research Showcase, Pensacola, Florida, United States. <https://uwf.edu/media/university-of-west-florida/academic-affairs/departments/our/symposium/OUR-Symposium-Program-2022.pdf>

- Gambel, C., Asmuth, T., Wells, J., Dougherty, J., Lebrun, Y., White, B., Sexton, R., McDaniel, S., Stark, L., Coatney, K., TaraBori, B., Williams, B., Miller, K., Chaimowitz, S., Rahn, J., Kearney, C., Dorman, W., Schriever, S., Muir, D., ... & West, O. (2022, April 14). *Thinking and making in the landscape: Possibilities for a livable future*. University of West Florida 2022 Student Scholars Symposium and Faculty Research Showcase, Pensacola, Florida, United States. <https://uwf.edu/media/university-of-west-florida/academic-affairs/departments/our/symposium/our-symposium-program-2022.pdf>
- Turner-Ward, D., Schwartz, M., Asmuth, T., & Fonder, C. (2021, April 15). *Analyzing and visualizing porewater nutrient concentration data*. University of West Florida 2021 Student Scholar Symposium and Faculty Research Showcase, Pensacola, Florida, United States. https://uwf.edu/media/university-of-west-florida/academic-affairs/departments/our/symposium/OUR-Symposium-Program-2021_FINAL.pdf
- Turner-Ward, D., Schwartz, M., Asmuth, T., & Fonder, C. (2021, April 12-14). *Analyzing and visualizing porewater nutrient concentration data*. 2021 National Conference on Undergraduate Research, Virtual. <https://youtu.be/WhWKzNiwaj8?si=8QuYrJcKcsEzUJ5e>
- Turner-Ward, D. & Schwartz, M. (2020, April 16). *Analyzing porewater nutrients in relationship to precipitation*. University of West Florida 2020 Student Scholar Symposium and Faculty Showcase, Pensacola, Florida, United States. <https://uwf.edu/media/university-of-west-florida/academic-affairs/departments/our/symposium/UWF-Student-Scholars-Symposium-Program-2020-.pdf>
- Morgan, D., Day, J., Henley, J., Woodruff, M., Turner-Ward, D., & Honeycutt, N. (2020, November 18). *Mapping transboundary viewsheds on developed shorelines*. AutoCarto 2020, the 23rd International Research Symposium on Cartography and GIScience, Virtual. <https://cartogis.org/autocarto/autocarto-2020/program/>
- Day, J., Turner-Ward, D., Woodruff, M., Henley, J., & Morgan, D. (2020, April 16). *Mapping the potential of conflict: Transboundary viewsheds*. University of West Florida 2020 Student Scholar Symposium and Faculty Showcase, Pensacola, United States. <https://uwf.edu/media/university-of-west-florida/academic-affairs/departments/our/symposium/UWF-Student-Scholars-Symposium-Program-2020-.pdf>