

Rachel Billiot-Bruleigh

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EDUCATION

University of New Orleans New Orleans, LA

Bachelor of Interdisciplinary Studies in Cultural & Environmental Studies

May 2014 – December 2018

- Study Abroad: Costa Rica, Summers of 2016 and 2017
- National Student Exchange (NSE) participant
 - University of Hawai'i at Mānoa, Fall 2016 (Honolulu, HI)
 - Northern Arizona University, Spring 2017 (Flagstaff, AZ)

RESEARCH EXPERIENCE

UNO Center for Hazards Assessment, Response & Technology New Orleans, LA

Research Assistant, Student Worker April 2018 – December 2018

- Performed qualitative analyses of data using computer software (Dedoose) for mixed methods research
- Verified the accuracy and validity of data entered in databases; corrected any errors
- Conducted internet-based and library research
- Performed data entry and other clerical work as required for project completion

South-Central Climate Adaptation Science Center Lubbock, TX/ Norman, OK/ Baton Rouge, LA

Intern July 2018

- Explored the direct impacts of climate variability and change on agriculture in Texas Hill Country, forest and prairie ecosystems in Oklahoma, & coastal areas in Louisiana
- Collected fish and insects from a river bed using kicknets and a seine net to assess ecological conditions
- Collected sediment core samples on a barrier island from mangrove and beach sites

Alaska Indigenous Research Program: Promoting Resilience, Health, & Wellness

Anchorage, AK May 2019

- Explored the history of research and historical trauma in Alaskan Native communities, as well as health research ethics and tribally driven health research

- Trained in Indigenous & Western research methodologies, principles of community-based participatory research, and culturally responsive community engagement, communication, and dissemination practices

Haskell Environmental Research Studies (HERS) Institute Lawrence, KS and Boulder, CO

Intern June – July 2019

- Developed an independent research project on environmental changes affecting Indigenous communities
- Worked with and incorporated Traditional Ecological Knowledge into scientific research
- Presented and communicated research results to academic peers and visiting public
- Conducted water quality testing at Left Hand Creek in Boulder, Colorado

PRESENTATIONS

Billiot-Bruleigh, R. “Interdependence Between Culture and Environment: Health and Sustainability Amidst Louisiana’s Coastal Crisis.” Innovate UNO. New Orleans, LA. Poster Presentation. November 2018.

Billiot-Bruleigh, R. “Naholo: Ghosts of Louisiana.” ULS Academic Summit. Grambling State University, LA. Photography Exhibition. April 2019.

Billiot-Bruleigh, R. “Lost Among the Skeletons: Mapping the Potential for Live Oak Ghost Forests in Southeast Louisiana & Exploring Cultural Losses.” University Corporation for Atmospheric Research (UCAR). Boulder, CO. Poster Presentation. July 2019.

Billiot-Bruleigh, R. “Pueblo, Colorado & the Bomb Cyclone of March 2019.” University Corporation for Atmospheric Research (UCAR). Boulder, CO. Oral Group Presentation. July 2019.

CERTIFICATES

Certificate of Completion. Haskell Environmental Research Studies Institute - Internship Program. Lawrence, KS. June 2019.

Certificate of Completion. Introductory Health Research Courses. Alaska Indigenous Research Program: Promoting Resilience, Health, & Wellness. Anchorage, AK. May 2019.

Certificate of Completion. Intermediate Research Ethics Courses. Alaska Indigenous Research Program: Promoting Resilience, Health, & Wellness. Anchorage, AK. May 2019.

Certificate of Completion. Managing for a Changing Climate. South Central Climate Adaptation Science Center. Norman, OK. Fall 2018.

HONORS & AWARDS

Top paper conference travel awardee. "Lost Among the Skeletons: Mapping the Potential for Live Oak Ghost Forests in Southeast Louisiana & Exploring Cultural Losses." Haskell Environmental Research Studies Institute. 2019. Awarded conference funding to attend: American Indian Science & Engineering Society (AISES) 2019 National Conference.

Summa cum laude. University of New Orleans. December 2018.

Innovate UNO Fine Art Award. "Naholo: Ghosts of Louisiana." University of New Orleans. November 2018.

Outstanding Interdisciplinary Studies Student Award. Interdisciplinary Studies Program, University of New Orleans. March 2018.

Ambassador Award. Costa Rica Summer Program, University of New Orleans. March 2017.

Benjamin A. Gilman International Scholarship. U.S. Department of State. May 2016.

Taylor Opportunity Program for Students (TOPS) Honors Award. Louisiana Office of Student Financial Assistance. August 2014 – May 2018.

ACADEMIC AFFILIATIONS

Alpha Lambda Delta

American Indian Science & Engineering Society (AISES)

Gilman Scholar & Alumni

Haskell Environmental Research Studies (HERS) Institute

Society for Advancement of Chicanos & Native Americans in Science (SACNAS)

VOLUNTEER ACTIVITIES

Greater New Orleans Therapeutic Riding Center New Orleans, LA

Side Walker September 2017 – December 2017

Assisted children with disabilities in therapeutic horseback riding

Hawaii Nature Center Honolulu, HI

Community Volunteer November 2016

Helped remove invasive plant species from local wetland areas

Lower Coast Native American Society New Orleans, LA

Camp Instructor, Cultural Demonstrator/Interpreter

January 2014 – March 2018

Worked with youth to teach them about southeastern Native American history, storytelling, traditional games, and cultural dances