# Jeleeza D. Clark

Salt Lake City, UT clarkjeleeza@gmail.com 972-922-7615

## EDUCATION

Doctor of Philosophy in Geography, Expected 2028
Department of Geography, University of Utah, Salt Lake City, UT
Advisor: Dr. Timothy Collins

Master of Science in Emergency Management and Disaster Science, May 2025
Department of Emergency Management and Disaster Science, University of North Texas, Denton, TX
Thesis: *Post Buyout Landscapes: A Spatial Analysis of Sociodemographic and Heat Mitigation Patterns in Harris County, Texas*
Advisor: Dr. Elyse Zavar

Bachelor of Science in Geography with a minor in Emergency Administration and Planning, May 2020
Department of Geography and the Environment, University of North Texas, Denton, TX
Relevant coursework*: Applied Biogeography, Data Analytics & Visualization, Disaster Response & Recovery, Ecosystems, Environmental Geology, Hazard, Mitigation, and Preparedness, Sustainability*

## RESEARCH EXPERIENCE

How a drying Great Salt Lake influences disparities in dust exposures 2025-2026
University of Utah, Salt Lake City
Advisor: Dr. Sara Grineski
My role in this project included combining American Community Survey (ACS) data with atmospheric dust models to map population-weighted dust exposure across three policy scenarios and conducting significance tests in SPSS to assess disparities by race, nativity, citizenship status, education, and poverty status.

Impact of Development on Trees in the Cross Timbers Ecoregion Spring 2020
University of North Texas
Advisor: Dr. Lisa Nagaoka
My work consisted of a review of the conditions of newly planted trees, species recurrence, and tree-planting policies in new-home developments in Flower Mound, Texas.

Analysis of Tree Loss and Deforestation in the Cross Timbers Fall 2019
University of North Texas
Advisor: Dr. Lisa Nagaoka
This was a partner project to analyze the rate of deforestation between 2008 and 2018 in Flower Mound, Texas within five residential developments. An interactive supervised classification analysis was completed for each development to compare land cover before and after construction.

## TEACHING EXPERIENCE

Graduate Teaching Assistant — Summer 2026
Reviewed and revised course materials for GEOG 3400 – Fertility, Mortality, and Migration to improve ADA accessibility, including accessible document formatting, headings, alt text, and captioning.

Graduate Teaching Assistant — August 2026–May 2027
I assist in grading, class preparation, and teaching for ENVST 2050 - Introduction to Environmental Science and GEOG 3020 - Geospatial Analysis courses.

## UNIVERSITY SERVICE

College of Social and Behavior Science Academic Appeals Committee Member — 2026–2027
Graduate Student Advisory Committee Member — Fall 2026

## MANUSCRIPTS IN PREPARATION

Grineski, S.E., Malia, D., Collins, T.W., **Clark, J.,** Clark, A., Garcia, A., Blakowski, M., Brahney, J., Perry, K., Lin, J. *How a drying Great Salt Lake influences disparities in dust exposures*

## PROFESSIONAL EXPERIENCE

Development Review Intern – Engineering — January 2026–Present
Salt Lake City Public Utilities
Supervisor: Kelly Jones
I support Salt Lake City Public Utilities' Development Review Engineering Division. My responsibilities include reviewing residential engineering plans, applying appropriate fees in Accela, and documenting review comments in Cityworks.

Stormwater Analyst — July 2021–July 2025
Town of Flower Mound
Supervisor: Mr. Manuel Palacios
I was responsible for ensuring that Flower Mound's stormwater management program, as required by the Texas Commission on Environmental Quality (TCEQ), was upheld for all Public Works-related activities. Activities included stormwater and erosion-control plan review, routine construction-site inspections, annual staff training on illicit discharge detection, and environmental education outreach in Flower Mound's middle and elementary schools.

Field Sample Technician — April 2021–July 2021
Town of Flower Mound
Supervisor: Mrs. Claudia Brooks
I was responsible for collecting all water distribution samples for bacteriological analysis, performing on-site chlorine residual analysis, conducting weekly nitrification study on all town pump stations and water towers, and assisting Lab Technicians with additional regulatory testing.

Environmental Services Intern – Urban Forestry — June 2018–April 2021
Town of Flower Mound
Supervisor: Mr. James Hoefert

I supported Flower Mound's Urban Forester. Responsibilities included evaluating, designing, and providing feedback on development plans; assisting with ESA Phase I Assessments; and conducting daily inspections of newly planted trees in new-home developments.

## CONFERENCE PRESENTATIONS

2024 Clark, J. *The Opportunity of Post Buyout Landscape Patterns Mitigating Extreme Heat.* Southwest Association of Geographers (SWAAG) and Applied Geography Joint Conference, San Marcos, TX.

2019 Clark, J. and Covas, J. *Analysis of Tree Loss and Deforestation in the Cross Timbers Ecoregion* Southwest Association of Geographers (SWAAG), Fort Worth, TX.

## FELLOWSHIPS, SCHOLARSHIPS, AND AWARDS

2026 The William Averette Anderson Fund (BAF) Fellowship
2026 NEXUS Scholars Program, College of Social and Behavioral Science, University of Utah ($10,000)
2024 American Public Works Association, North Texas Branch ($2,000)
2020 Undergraduate Research Fellow, University of North Texas ($500)

## CERTIFICATIONS

- Certified Inspector of Sediment and Erosion Control
- Certified Stormwater Inspector
- FEMA IS-1024: Water and Wastewater Treatment Systems Considerations
- FEMA IS-00037.19: Managerial Safety and Health
- FEMA IS-00003: Radiological Emergency Management
- FEMA IS-02200: Basic Emergency Operations Center Functions
- FEMA IS-00200.c: Basic Incident Command System for Initial Response