

# Benjamin Cavanaugh Lyke

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940-597-3097

## Education

**University of North Texas**, Denton, TX

- M.S. in Geography, Focus on Geospatial Data and Analytics Graduated May 2023
  - GPA: 4.0
  - Obtained Graduate-Level GIS Certification
- B.S. in Geography, Minor in Biology Graduated August 2021

## Work Experience

**Teaching Assistant**, University of North Texas, Denton, TX Spring 2022-May 2023

*Lab Instructor for Intro to Geology (Fall 2022–Spring 2023), Lead Lab Instructor (Spring 2023)*

- Teach three lab sections and 75 students per semester through lectures and in-class lab activities.
- Hold in-person and remote office hours to answer questions and assist students.
- Was promoted to a Lead Lab Instructor by the supervising professor for the Spring 2023 semester.

*TA for Intro to GIS (Spring 2022)*

- Held office hours to answer questions and troubleshoot issues for an online course with roughly 120 students.

**San Giuliano Archaeological Research Project**, Barbarano Romano, Italy Summers 2019, 2022

*Graduate Researcher and Museum Liaison (Summer 2022)*

- Asked to return as a graduate student to assist with GIS, LiDAR, and leading undergraduate student researchers.
- Managed communication and meetings with the local museum curator for the storage and analysis of artifacts.

*Student Researcher (Summer 2019)*

- Excavated artifacts at medieval, Etruscan, and Villanovan sites for further study in the laboratory.
- Registered, documented, and analyzed artifacts in the laboratory through nine stations.

## Commission Shift

November 2021–April 2022

*Contract GIS Geospatial Analyst*

- Analyzed and researched the location and proximity of orphaned and inactive oil and gas wells in Texas.
- Focused on demographic-based disparities in locations of potentially unmaintained oil and gas wells as well as identifying locations of wells for which the Railroad Commission (RRC) could not provide location data.
- Worked from multiple databases provided by the RRC and actively analyzed more than 110,000 location data points.

**UNT Media Library, Denton, TX**

Fall 2019-Spring 2022

*Courier and Student Supervisor*

- Delivered items to different locations across campus and coordinated with other university libraries through Inter-Library Loans before being promoted to a student supervisor position.
- Supervised the performance of other student workers and was responsible for opening and closing the Media Library when needed.
- Directed writing captions for movies and documentaries, repairing broken consoles and systems, and coordinating between supervisors and student workers.

**Farm Labor, Sumner, TX**

Summers 2013-Present

*Farmhand*

- Cut, baled, stacked, and delivered loads of hay on my grandfather's 85-acre farm in east Texas.
- Repaired tractors and cars and performed maintenance on the house and barn.

**Interests**

- Baking, Tennis, Dungeons and Dragons (D&D), Piano