

# Lauren Collyer

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## EDUCATION

**Brigham Young University**, Bachelor of Science

Dec 2025 - Dec 2025

Major: Geography

Provo, UT.

Emphasis: Geospatial Science and Technology

Minor: International Development

Relevant Coursework: Cartographic Design, Intermediate GIS, Programming for Geographers, Remote Sensing

Clubs: Students for International Development

Projects: Modeling populations, vegetation, and snowpack areas affected by worsening toxic windblown dust from the Great Salt Lake lakebed

### **Geography Study Abroad**

Tanzania May 2024

Observed GIS and remote sensing with tracking wildlife migration through wildlife corridor

## EXPERIENCE

**HNTB Corporation**

May 2025 - Aug 2025

*GIS Planning Intern*

Midvale, Utah

- Classified LiDAR and photogrammetry point clouds with 3 million+ points
- Built and standardized GIS databases in ArcGIS Pro by creating domains, contingent values, and relational tables
- Published 2D and 3D transportation datasets to ArcGIS Online, resolving projection, symbology, and time-enabled display issues

**Intro to GIS, BYU Course**

Sep 2024 - Dec 2024

*Teaching Assistant*

Provo, UT

- Graded 20+ assignments per week providing constructive feedback to improve student learning and aided faculty in answering questions
- Tutored 5+ students per week, building relationships in a one-on-one setting
- Provided guidance on lab assignments, ensuring students understood key GIS concepts

**BYU**

Nov 2023 - Jan 2024

*Computing Specialist*

Provo, UT

- Designed and implemented programs to answer queries in VBA Excel for 8,000+ names extracted from historical worker data
- Collaborated with professor to implement requests by weekly deadlines

**The Church of Jesus Christ of Latter-day Saints**

Jan 2022 - Jul 2023

*Full-time Volunteer*

Houston, TX

- Collaborated with a partner for all working hours and with local groups for volunteer activities
- Developed a strong work ethic by working 12 hours each day to meet specific goals

## SKILLS

ArcGIS Pro, Online, Field Maps, Survey123, ArcGIS Maps SDK for JavaScript, Experience Builder

Cartographic design

Java, VBA, JavaScript, HTML, CSS

AutoCAD including Civil 3D and Revit

Rudimentary Spanish and Swahili

Python: Arcpy, GeoPandas, pyshp