

# Kate Laidlaw

## - Ecological Research - Writing - Communication -

[KateL42@colostate.edu](mailto:KateL42@colostate.edu) / (616)-304-9991 / [LinkedIn](#) / Fort Collins, Colorado

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Emerging environmental professional aspiring to make a difference through research and effective communication. I am a highly curious individual with a positive attitude and a strong work ethic. In the future, I hope to work with a diverse group of people to conduct research on important ecological questions.

### EDUCATION

#### **Bachelor of Science in Ecosystem Science and Sustainability**

Expected May 2027

Double minor in Conservation Biology and Creative Writing

GPA: 4.00

Colorado State University (CSU) Honors College, Fort Collins, Colorado

*Relevant Coursework:* Ecology, Plant Biology, Quantitative Reasoning, Statistics, Geospatial Science

### RELEVANT EXPERIENCE

#### **Research Assistant, USDA UV-B Monitoring and Research Program**

February 2024 – August 2024

Fort Collins, Colorado

- Analyzed daily solar insolation plots across multiple site locations looking for irregular data patterns
- Labeled an Excel database used to train network model for automatic detection of quality control issues across a nationwide network
- Input lab expenses into multiple databases to help keep track of accounting and track lab budget

#### **Field Worker, Bird Song Flower Fields**

March 2019 – August 2021

Tawas, Michigan

- Planted, harvested, and cultivated various types of specialty cut flowers to sell to the local community
- Practiced regenerative farming methods to restore soil fertility and reduce greenhouse gas emissions
- Identified, seeded, and oversaw native vegetation seedlings on restored prairie land to promote biodiversity and repopulate native species.

### PRESENTATIONS

**Co-Authored Poster accepted at American Geophysical Science Union 2024 Fall Meeting-** Washington D.C.

*A Two-Stage Data-Driven Approach for Automated Quality Control using Paired Ultraviolet and Visible Multifilter Rotating Shadowband Radiometer (MFRSR) Measurements* [Link to Poster](#)

### COMMUNITY ENGAGEMENT

#### **Club Member, Ducks Unlimited, Colorado State University Student Chapter**

August 2024 – Present

- Coordinate and connect with local community to raise money and awareness for the conservation and management of wetlands and waterfowl

#### **Club Member, The Wildlife Society, Colorado State University Student Chapter**

August 2023 - Present

- Assist in regular species population counts to maintain adequate information on the numbers and health of local Fort Collins species populations
- Engage in community outreach to raise awareness for species conservation and restoration

### SKILLS

ArcGIS - Written and oral communication - Western plant and animal ID - Excel - Wilderness First Responder Certification (May 2025)