

Education

University of Colorado, Denver

Master's of Science, Integrative Biology *Awarded May 2025*

Master's Thesis: *Assessing Urban Wetland Habitat Features and Larval Mosquito Abundances: Implications for Management and Public Health* <https://www.proquest.com/openview/c96afca1ce0330bb822e60dbfd0729ae/1?pq-origsite=gscholar&cbl=18750&dis=y>

Commit 20 hrs/week to Teaching Assistant position

Commit 15 hrs/week to Traffic Data Collection position

University of Colorado, Boulder

Bachelor's of Art *Magna Cum Laude*, Ecology & Evolutionary Biology *Awarded December 2021*

Honors Thesis: *Assessing the Performance of Helianthus annuus in Urban Communities*

https://scholar.colorado.edu/concern/undergraduate_honors_theses/jt848r89t

Commit 5 hrs/week to Lab Assistant volunteer position

Commit 30 hrs/week to Shift Manager position

Teaching Licensure

- Science 5-8 (Tier II) - Minnesota
- Substitute Teacher - Minnesota

Experience

Cloquet Public School District, Cloquet Middle School, Cloquet, MN

Long-Term Science Substitute Teacher *August 2025 - Present (FT)*

Responsible for daily teaching, classroom management, lesson planning, and curriculum development for 7th grade Life Science and 8th grade Physical Science. Maintained as a general substitute in the district.

Ridgeview Data Collection Lakewood, CO

Remote Data Technician *Feb. 2023 - June 2025 (PT)*

Field Technician *Feb. 2023 - June 2025 (PT)*

Set-up, pick-up, and data upload of "Turning Movement Counts (TMC)", and "Average Daily Traffic (ADT)" counts using field cameras, radars, and tube sets for assigned intersections. Further responsible for data upload and database work.

University of Colorado, Denver Denver, CO

Graduate Teaching Assistant *Aug. 2023 - May 2025 (PT)*

Coordinating and teaching introductory biology lab courses. Further responsible for practicing and developing teaching materials that support and uplift science identities for students

Denver Botanic Gardens *Denver, CO*

Botany Seasonal Researcher *May 2023 - Aug. 2024 (PT/Seasonal)*

Surveillance and data collection of tree health metrics and survivorship from tree plantings along the High Line Canal under Dr. Christina Alba. Further responsible for learning and maintaining established research protocols and QA/QC of collected data. Responsible for coordinating and leading seasonal employees and volunteers during research activities for multiple research projects

Vector Disease Control International *Broomfield, CO*

Field Technician - Larval Mosquito Surveillance & Pesticide Application *May 2019 - Oct. 2022 (FT/Seasonal)*

Mobile Pesticide Applicator - Adult Mosquito Pesticide Application *May 2021 - Sep. 2022 (FT/Seasonal)*

Field Technician - Adult Mosquito Surveillance *May 2020 - Aug. 2020 (FT/Seasonal)*

Laboratory Technician - Adult Mosquito Identification & Data Collection *May 2020 - Aug. 2020 (FT/Seasonal)*

Surveillance and control of larval and adult mosquito populations along the Front Range including: Boulder County, City of Brighton, Longmont, Lafayette, Louisville, and Denver, City and County of Broomfield, Town of Erie, Greeley, Frederick, Firestone, and Superior.

Front Range Community College *Longmont, CO*

Supplemental Instruction Leader *Jan. 2022 - May 2022 (PT)*

Science Tutor *Jan. 2022 - May 2022 (PT)*

Provided academic support for students taking college statistics courses. Further supported students with one-on-one tutoring in science courses including: General Biology, Chemistry, and Anatomy. Emphasis on active and alternative learning techniques to support students in and out of the classroom.

Family Resource Schools *Boulder, CO*

K-5 Afterschool Program Instructor *Jan. 2020 - Mar. 2020 (PT)*

After School instruction to encourage science exploration and curiosity in kindergarten age students. Responsible for providing a short course curriculum, managing in-class experiments, managing student behavior, and ensuring the safety of students.

Good Times Restaurants Inc. *Boulder, CO*

Shift Manager *Aug. 2017 - Feb. 2020 (PT)*

Responsible for food safety, kitchen safety, food preparation, customer service, employee management, cash reporting, and inventory.

University of Colorado, Boulder *Boulder, CO*

Undergraduate Teaching Assistant *Aug. 2019 - Dec. 2019 (PT)*

Teaching undergraduate student lab safety procedures, lab equipment handling (microscopy), and course-related content. Additionally responsible for conducting a lecture on course-related content.

Additional Skills

Plant Identification *Intermediate*

Denver Botanic Gardens *Botany Seasonal Researcher*

Specializing in Colorado and Minnesota flowering plants and ruderal, invasive, and/or noxious weed species.

<https://www.inaturalist.org/people/rosie314>

ArcGIS Programming Language *Intermediate*

Assessing Urban Wetland Habitat Features and Larval Mosquito Abundances: Implications for Management and Public Health *May 2025*.

Master's research concerning larval mosquito identification and presence mapping along Colorado's High Line Canal.
<https://www.proquest.com/openview/c96afca1ce0330bb822e60dbfdo729ae/1?pq-origsite=gscholar&cbl=18750&diss=y>

Documenting the "Escape" of a Hardy Ornamental Grass, *Tripidium ravennae*, on Colorado's Front Range *May 2025*
Independent mapping and distance-based dispersal analyses of biological invasions of a hardy ornamental grass, *Tripidium ravennae*, that has been observed growing outside cultivation in Colorado.

Statistical Data Analysis with R Programming Language *Intermediate*

Assessing Urban Wetland Habitat Features and Larval Mosquito Abundances: Implications for Management and Public Health *May 2025*.

Master's research concerning larval mosquito abundances related to changes in collected urban wetland habitat feature data in Colorado's High Line Canal.

<https://www.proquest.com/openview/c96afca1ce0330bb822e60dbfdo729ae/1?pq-origsite=gscholar&cbl=18750&diss=y>

Assessing the Performance of *Helianthus annuus* in Urban Communities *May 2021*

Undergraduate honor's thesis relating fitness-related trait data to observed environmental features, co-occurring weedy species, and anthropogenic environmental disturbances.

https://scholar.colorado.edu/concern/undergraduate_theses/ft848t89t

Invertebrate Identification *Intermediate*

Assessing Urban Wetland Habitat Features and Larval Mosquito Abundances: Implications for Management and Public Health *May 2025*.

Master's research concerning larval mosquito abundances related to changes in aquatic macroinvertebrate observations. Identification of macroinvertebrates occurred in the field during sampling activities.

<https://www.proquest.com/openview/c96afca1ce0330bb822e60dbfdo729ae/1?pq-origsite=gscholar&cbl=18750&diss=y>

Microsoft Office Suite *Advanced*

Including: Word, Excel, Powerpoint, and Outlook

Google Workspace and Drive Applications *Advanced*

Including: Calendar, Docs, Earth, Forms, Sheets, and Slides

Hand and Power Tools *Intermediate*

From previous work experience (Ridgeview Data Collection) and at-home personal use

Thank You For Your Time

I'm seeking a career in natural resources, environmental sciences and services, urban ecology, and science education and hope to address all these areas of study, continuing to work with integrity, passion, and in the service of my local and national communities.