

# Student First and Last Name

Phone: XXX-XXX-XXXX email: student.name@gmail.com

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## EDUCATION

### M.S. Candidate, Ecology

Utah State University, Logan, UT

**Thesis Title:** *Assessing Stream Ecosystem Structure and Function in an Urban Canal and the Logan River in Logan, UT*

**December 2022**

GPA 4.0

### B.S. in Environmental Studies, *Minors: Biology, Math, French; magnum cum laude*

University of Nebraska-Lincoln, Lincoln, NE

**December 2014**

GPA 3.925

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## SKILLS/CERTIFICATIONS

Field: Certified in Wetland Delineations – Wetland Training Institute, certified in 40-hour OSHA HAZWOPER, GPS and orienteering, surface water sampling in streams and lakes, freshwater invertebrate sampling, breeding bird, raptor, and grouse surveys, bat mist-netting surveys, federally listed species surveys, Certified in Wilderness First Aid, surface soil sampling, groundwater sampling, identification of common forbs, grasses, and trees

Computer: Data management and analysis in R, GitHub, technical writing for scientific reports and for publishing a peer-reviewed manuscript, Google Earth, ArcGIS, Microsoft Office Word Processing, Excel Spreadsheet Management, PowerPoint

Lab: Identification of freshwater macroinvertebrates to genus-level, water quality lab analysis

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## RELEVANT EXPERIENCE

### Graduate Student

Utah State University

#### Graduate Teaching Assistant

- Lead several lab sections of general biology labs totaling up to 72 undergraduate students
- Design an experiment involving seed beetles for students to conduct throughout the course

#### Graduate Researcher

- Draft a proposal and technical report for thesis research on water quality, freshwater invertebrates, and leaf decomposition in urban water bodies
- Develop and implement a field sampling plan to sample for leaf decomposition, water quality, and freshwater invertebrates in urban water bodies
- Delegate tasks to undergraduate students to efficiently collect data and process samples in the field and lab
- Manage, organize, and analyze data to be run for statistical analysis using R statistical software

**Fall 2019 - present**

**Logan, UT**

### National Science Foundation Research Trainee

Utah State Climate Adaptation Science Fellowship Program

#### Interdisciplinary Research Project

- Collaborate with other USU graduate students from various departments on an interdisciplinary research project about Californian's experience with wildfires and support for policies related to wildfires
- Assist in developing a draft of a peer-reviewed manuscript communicating the findings of the research project
- Present the research project's findings to academics, federal scientists, and the general public at the Science, Management, and Policy Exchange
- Analyze trends in EPA's air quality data to determine if wildfire smoke is becoming worse over time in California

**Fall 2019 - present**

**Logan, UT/Moab, UT**

#### Internship with National Park Service

- Conducted a thorough literature review of management options for protecting and restoring groundwater-dependent ecosystems in dryland parks in Utah
- Composed a technical report on management options for protecting groundwater-dependent ecosystems in dryland parks and presented the report's findings to National Park Service employees
- Fostered relationships with potential partners interested in collaborating with National Park Service to protect groundwater-fed ecosystems in dryland parks
- Analyzed and managed vegetation monitoring data on plant species endemic to springs and seeps in Utah National Parks using R statistical software

**Summer 2020 and 2021**

**Assistant Scientist  
Olsson**

**August 2017 – June 2019  
Lincoln, NE**

***Environmental Permitting***

- Conducted wetland delineations and wrote wetland delineation reports for various clients by conducting observations on hydric soils, wetland hydrology, and hydrophytic vegetation
- Prepared and submitted nation-wide permit applications under the Clean Water Act for various clients

***Biological Surveys***

- Surveyed for and wrote reports on federally and state listed species, grouse, bats, and birds whose habitat may be affected by the railroad, construction, and other projects

***Environmental Monitoring***

- Prepared a Natural Resources Management Plan for a federal client, which documented soil health based on previously collected soil samples, and provided recommendations on maintaining and restoring soil health

**Environmental Scientist  
AECOM**

**Nov. 2015 – July 2017  
Omaha, NE**

***Environmental Remedial Investigations under Resource and Conservation Recovery Act (RCRA)***

- Evaluated past environmental investigations to propose soil sampling locations in order to delineate the extent of contamination for a federal client
- Developed and completed environmental remedial investigation work plans and technical reports in accordance with federal guidelines
- Led a field sampling team and trained colleagues in environmental sampling procedures, quality assurance and quality control procedures, and prioritized safety in the field

***Groundwater Monitoring***

- Statistically analyzed contaminant concentration data for monitoring wells in accordance with state and federal regulations with a groundwater monitoring statistical software program
- Developed work plans and wrote data reports to describe the trend of changing concentrations at groundwater monitoring wells
- Monitored groundwater in the field by collecting groundwater samples using a bladder pump to sample monitoring wells up to 100 feet deep and entered field data into a software program on a tablet

**Field Technician  
Nebraska Department of Environmental Quality**

**April 2015 – October 2015  
Lincoln, NE**

- Performed biological assessments (i.e., fish and macroinvertebrates) and conducted habitat/wildlife surveys on shallow streams in Nebraska
- Collected surface water samples in compliance with the Federal Clean Water Act to uphold state and federal regulations of several Nebraska Water Monitoring programs
- Calibrated and troubleshoot a multi-parameter water quality meter

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**COMMUNITY SERVICE**

**Fundraising Chair/Volunteer  
Biology Graduate Student Association (BGSA)**

**January 2020 - January 2021  
Logan, UT**

- Planned and led an annual plant sale to fundraise for biology graduate students,
- Created new strategies for holding a successful virtual and socially-distanced fundraiser during the pandemic, where funds were raised more than previous years by 200+ dollars
- Assisted in designing a short video for USU Science Unwrapped, a public outreach event, where graduate students educated the general public about freshwater invertebrates in a local river and how to collect them

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**AFFILIATIONS AND AWARDS**

Student Member of Society of Freshwater Science

- Presented two posters on graduate research at the SFS annual meetings, Spring 2021 and 2022
- Matt Del Gross Scholarship, USU Department of Biology, Awarded Spring 2021  
Joseph McGreaves Scholarship, USU Department of Biology, Awarded Spring 2020