

Curriculum Vitae of  
**Kamaile DeLong**

## **Aim**

I am pursuing a career that allows me to investigate how animals interact with their environment. I am especially interested in examining how captive settings affect the behavior and welfare of domesticated and undomesticated pets.

## **Education**

**University of Wyoming**, Laramie, Wyoming  
2015 – 2021 (Bachelor's in Zoology & Physiology)

## **Research Experience**

**Field Technician.** May 2021 – August 2021

*Various Studies.* Wyoming Natural Diversity Database.

- Aims: to analyze the invertebrate community composition in Sage Grouse breeding habitat, to map springs and their invertebrates for US Forest Service timber harvest planning, and to determine the location of populations of an orchid species of interest in Wyoming.
- Selecting appropriate survey sites; collecting habitat data (including water quality measurements)
- Cutting sagebrush and collecting invertebrates from on and under bushes
- Carrying out transects to locate insects and orchids

**Undergraduate Research Project.** June 2020 – June 2021

*Investigating Pollinator Diversity in Tall Forb Communities.* University of Wyoming.

Advisor: Lusha Tronstad

- Aim: to assess pollinator diversity in forb communities with low/moderate/high flower diversity.
- Securing funding, totaling \$14,000
- Conducting separate transects to estimate bee and butterfly activity at each site
- Independently carrying out insect surveys (including passive and active methods)
- Pinning and identifying bees and butterflies; identifying flowers in tall forb communities
- Analyzing data and writing a final report

**Chipmunk Behavior Internship.** January 2021 – May 2021

*Method development: a social learning experiment with captive chipmunks.* University of Wyoming.

- Aim: to develop new experimental methods for the investigation of social learning in the University of Wyoming's captive chipmunk colony.
- Reviewing social learning literature; troubleshooting previous experimental attempts
- Creating a set of contingency plans for the next round of social learning experiments (carried out in the spring of 2021)

**Field Technician.** June 2019 – August 2019

*Regal Fritillary Surveys.* Wyoming Natural Diversity Database.

Supervisor: Lusha Tronstad

- Aim: to assess the status of the Regal Fritillary (*Speyeria idalia*) in Wyoming, a butterfly petitioned for listing under the Endangered Species Act.
- Identifying, counting, photographing, and collecting butterflies and bees in the field
- Collecting vegetation data

**Independent Study.** January 2019 – May 2019

*Pollinators of the Bridger-Teton National Forest.* Wyoming Natural Diversity Database.

Supervisor: Lusha Tronstad

- Aim: to document pollinators present on the Bridger-Teton National Forest (BTNF).
- Processing, pinning, and identifying bees and butterflies caught on the BTNF in 2018

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## **Independent Study.** January 2019 – May 2019

*Problems: Lepidoptera Classification.* Entomology Department, University of Wyoming.

Professor: Scott Shaw

- Aim: to learn more about butterfly anatomy, life history, and identification.
- Pinning and identifying butterflies from the University of Wyoming's insect museum
- Learning about processing techniques (specimens were old and required special handling)

## **Field Technician.** June 2018 – August 2018

*Amphibian and Geological Survey.* Wyoming Natural Diversity Database.

Supervisor: Oliver Wilmot

- Aim: to assess factors influencing the occurrence and detectability of amphibians in western WY.
- Collecting eDNA samples; measuring habitat data; executing visual encounter amphibian surveys

## **Grants**

DeLong, K and LM Tronstad. 2020. Investigating the Pollinator Diversity in Tall Forb Communities. Wyoming Research Scholars Program. \$9,000

DeLong, K and LM Tronstad. 2020. Investigating the Pollinator Diversity in Tall Forb Communities. Wyoming NASA Space Grant Consortium Undergraduate Research Fellowship. \$5,000

DeLong, K 2019. Pollinators: A Hidden World of Diversity. Larsh Bristol Photojournalism Fellowship. \$5,500

## **Outreach Experience**

### **Independent Outreach Effort.** May 2019 – May 2020

*Pollinators: A Hidden World of Diversity.*

- Aim: to create public interest for the pollinators of Wyoming.
- Secured a \$5,500 grant from the Larsh Bristol Photojournalism Fellowship for photographic equipment and photo prints
- Display in Ross Hall, University of Wyoming (October 2019 – January 2020)
- Display in the Berry Biodiversity Conservation Center (February – May 2020)

## **Presentations**

2021 DeLong, K and LM Tronstad. *Pollinator Communities along a Gradient of Flower Diversity in the Tall Forb Communities of the Rocky Mountains.* 2021 Undergraduate Research Day. Wyoming NASA Space Grand Consortium.

2020 DeLong, K and LM Tronstad. *Investigating Pollinators Along a Gradient of Flower Diversity: The Importance of Tall Forb Communities in the Rocky Mountains.* University of Wyoming Student Research Virtual Symposium. Wyoming Research Scholars Program.

2020 DeLong, K. *Pollinators: A Hidden World of Diversity.* Opening reception for K DeLong's photo and specimen exhibit, University of Wyoming Biodiversity Institute.

2019 DeLong, K. *The History of Women's Rights in Sweden and the United States: Similarities and Differences.* Women's Suffrage on the Northern Plains: A Symposium. University of Wyoming American Heritage Center.

2019 DeLong, K. *Pollinators: A Hidden World of Diversity.* PowerPoint presentation to donors of the Larsh Bristol Photojournalism Fellowship and the public. University of Wyoming Communication and Journalism department.

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## Work Experience

### **Kennel Assistant, Safe Haven Animal Sanctuary**

August 2021 – Present

- Planning and executing daily training sessions with troubled/aggressive dogs
- Assuring continued cleanliness of pens and consistent presence of clean water for dogs and cats
- Administering pills and liquid oral medications daily; assisting with cat and dog vaccinations
- Following sanitary procedures to avoid pathogen spread
- Maintaining (washing, drying, brushing, and trimming as needed) coats and nails of cats and dogs

### **Waitress, Village Inn**

August 2021 – Present

- Serving customers; overseeing opening procedures; maintaining a clean environment

### **Student Researcher, University of Wyoming**

June 2020 – June 2021

- Planning and executing summer field work (see Research Experience, Undergraduate Research Project)
- Entering data into Microsoft Excel, Survey123, BaseCamp, and other computer programs
- Troubleshooting various problems, including technology and vehicle problems
- Driving on backroads and rough two-tracks; following field safety protocol
- Pinning, identifying, and labeling insect specimens
- Carrying out statistical analyses; writing scientifically

### **Invertebrate Technician, Wyoming Natural Diversity Database**

March 2018 – October 2021

- Pinning, identifying, and sorting insect specimens
- Hiking, camping, and backpacking as the situation dictated
- Entering data into Microsoft Excel, Survey123, BaseCamp, and other computer programs
- Troubleshooting various problems, including technology and vehicle problems
- Driving on backroads and rough two-tracks; following field safety protocol
- Summer field work (see Research Experience, Field Technician)

### **Waitress, Hilton Garden Inn**

October 2017 – March 2018

- Serving customers; overseeing opening and closing procedures; maintaining a clean environment

### **Pizza Maker/Waitress/Dishwasher, Tootsie's Thyne**

May 2017 – October 2017

- Serving customers; preparing food; maintaining clean kitchen, dining, and restroom areas

### **Housekeeper, Hilton Garden Inn**

May 2016 – May 2017

- Maintaining hygienic accommodations for customers (cleaning bathrooms, making beds, etc.)

### **Office Staff, Sands Whitewater**

June 2015 – August 2015

- Taking calls; answering customer questions; entering reservations into the computer

### **Pizza Maker/Waitress/Dishwasher, Tootsie's Thyne**

July 2014 – August 2015

- Serving customers; preparing food; maintaining clean kitchen, dining, and restroom areas

## Skills

- Love for learning
- Excellent people skills
- Hard-work ethic
- Some GIS and R experience
- Public speaking
- Math proficiency
- Exceptional awareness of animal body language
- Good understanding of animal husbandry
- Knowledge of animal handling and training
- Superb problem solving
- Proficient in Microsoft Office programs
- Insect preparation and identification

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## Selected Volunteer Experience

- 2021** *Safe Haven Animal Sanctuary* – walking, running, and training dogs after work hours and during days off (approx. 8 volunteer hours/week)
- 2018** *Greys River Pollinator Inventory Project* – pinning and sorting bees collected by the US Forest Service on the Bridger Teton National Forest Greys River Ranger District
- 2013** *Mule deer data collection* – taking measurements and fecal samples, drawing blood, and tagging ears of captured deer
- 2011 – 2013** *Dead-deer surveys* – helping Wyoming Game and Fish Department (WGFD) biologist count winter deer fatalities
- 2012** *Elk data collection* – taking measurements and drawing blood from elk captured by WGFD
- 2010** *Amphibian and vegetation surveys* – assisting in Forest Service amphibian monitoring
- 2009 – 2014** *Vegetation surveys* – assisting Forest Service biologist in vegetation cover analyses

## References upon request