

JENNIFER LEE

EDUCATION

- B.A.** Colorado State University, Major in Anthropology May 2021
Concentration in Biological Anthropology
Minor in Zoology
GPA: 3.423
- Los Alamos High School May 2017
Member of National Honors Society
GPA: 3.806

HONORS AND AWARDS

- Distinguished Capstone Presentation Award** 2019
Nominated by faculty and awarded by the department chair for an outstanding Capstone presentation for “Biting Down on Soft Tissue”
- Anthropology Field School Scholarship** 2019
Given for the Paleontology Field School
- Western Undergraduate Exchange Scholarship** 2017-2021
Academic scholarship based on SAT scores and a minimum GPA
- Creative and Performing Arts Scholarship** 2017-2018
Awarded by Dr. Stephen Dombrowski after auditioning and being accepted to the CSU University Center for the Arts

QUALIFICATIONS AND SKILLS

- Experience in understanding, conducting, and presenting data and statistical analyses
- Proficient in Marketing Cloud, Microsoft Suite (Excel, PowerPoint, and Word)
- Trained in 3D analysis, modeling, printing, and reconstruction
- Experience with Artec 3D Studio, the Artec Space Spider 3D Scanner, and photopolymer 3D printers
- Hands-on experience collecting data in the field
- Observed *Cervus canadensis* (elk) and *Ondatra zibethicus* (muskrat) in the field and created an ethogram after preliminary observations; behaviors of each chosen focal animal were recorded by using the ethogram and pictures were also obtained

- Found and positively identified tracks in the field for both *Canis latrans* (coyote) and *Odocoileus virginianus* (white-tailed deer); measurements were taken of individual prints and the stride length; castings were also taken of multiple prints
- Identified a multitude of bird species in the field while completing transects
- Searched, found, and assisted in classifying, cleaning, and cataloguing fossils

Practice in Forensic Anthropology methods for obtaining the biological profile of an individual (age, sex, ancestry, stature, pathology, and trauma estimations)

- Mindful of the ethical and moral statutes with regards to handling, discussing, and scanning sensitive data, including human remains
- Biological profile building includes comparative analysis on various methods and their accuracy as well as training in how to accurately record and analyze human skeletal remains (including fragmented bone)
- Trained to identify human bone from other animals or materials

Photography experience with obtaining and editing photographs for various reports

- Skilled in Adobe Photoshop and Lightroom
- Experience photographing animals, human skeletal remains, animal fossils and bones, landscapes, and people participating in different sports

Highly-skilled in a multitude of artistry forms

- Experience in scientific illustration for many different fossils, including microscopic teeth
- Skilled in oil and watercolor painting, pen drawing (stippling and line styles), and pencil drawing
- Proficient in multiple musical instruments: euphonium, piano, and bass guitar

RESEARCH EXPERIENCE

***Palaeonictis occidentalis* Analysis**

2020-2021

Advisor: Dr. Connie Fellmann

- 3D scanning, modeling, printing, and reconstruction of believed *Palaeonictis occidentalis* (~55 Ma) skull
- Bite force, diet, and masticatory musculature were computed and reconstructed on the model
- Skull loaned from the Carnegie Museum of Natural History

Human Remains Analysis

2021

Advisor: Dr. Connie Fellmann

- 3D scanning and modeling on various human remains housed with the CSU Anthropology Department
- Scans and models will be used for various research projects and assisting with Forensic Anthropology courses

High Valley Ranch & Nelson Ranch Archaeology & Paleontology Research

2020

Lead Researcher: Colter Johnson

- Traveled to the Pawnee National Grasslands, CO, and assisted in collecting and identifying fossils

Dissection Study

2019

Advisors: Dr. Jeremy Delcambre, Professor Kimberly Nichols

- Mammalian heads of *Canis lupus familiaris* (domestic dog), *Felis catus* (domestic cat), *Cavia porcellus* (Guinea pig), *Oryctolagus cuniculus* (domestic rabbit), *Equus caballus* (domestic horse), and *Bos taurus* (domestic cow), were dissected and examined
- The muscles of mastication (*m. temporalis*, *m. masseter*, *m. pterygoid*, and *m. digastricus*) were analyzed for an in-depth understanding on the skeleton-to-muscle relationship
- This was applied to “Biting Down on Soft Tissue”

Biting Down on Soft Tissue: Masticatory Musculature in Two Early Eocene Faunivorous Mammals (Primates, Creodonta) – Senior Capstone

2019

Advisors: Professor Kimberly Nichols, Dr. Connie Fellmann

- Comparative functional anatomy was examined on the mandible, zygomatic arch, and sagittal crest of *Oxyaena* and *Tetonius*
- Applied knowledge from the dissection study to begin reconstruction of *Oxyaena* and *Tetonius*
- Musculature and skull morphology of *Crocota crocuta* (spotted hyena), *Canis lupus* (grey wolf), *Panthera leo* (African lion, male), *Cavia porcellus* (Guinea pig), and *Oryctolagus cuniculus* (domestic rabbit), were used as comparison to *Oxyaena* and *Tetonius*

Paleontology Field School

2019

Advisors: Professor Kimberly Nichols, Dr. Tom Bown

- Traveled to the Big Horn Basin, WY, and obtained a permit for collecting fossils
- Two weeks were spent in the field digging for fossils
- Subsequent research, cleaning, identification, and cataloguing were done for a week after returning from WY

Scientific Illustration – Depicting Life in Prehistory

2019

Advisors: Professor Kimberly Nichols, Dr. Tom Bown

- Explored the pros and cons to scientific illustration
- Compared different styles of artistry including line work, stippling, and pencil
- My process for scientific illustration was displayed and discussed

Scientific Illustration Study

2019-2021

Advisors: Professor Kimberly Nichols, Dr. Tom Bown

- Practicing the skills and techniques required for scientific illustration
- Illustrated many fossils dating to the Eocene (~56 Ma) for various research projects

CONFERENCES

“My, What Big Teeth You Have! Inferring Extinct Carnivore Diets,” Celebrate Undergraduate Research and Creativity, 2021

“Biting Down on Soft Tissue: Masticatory Musculature in Two Early Eocene Faunivorous Mammals (Primates, Creodonta),” Celebrate Undergraduate Research and Creativity, 2020

“Biting Down on Soft Tissue: Masticatory Musculature in Two Early Eocene Faunivorous Mammals (Primates, Creodonta)” CSU ANTHGR Capstones, 2019

“Scientific Illustration – Depicting Life in Prehistory,” Celebrate Undergraduate Research and Creativity, 2019

COMMUNITY SERVICE

Wilderness Society 30x30 Campaign 2021
Volunteer

Participate in phone banking, graphic making, and the creation of forms for those interested in helping the campaign

History Colorado Center 2019-Present
Volunteer

Assist in transcribing documents into various databases

PROFESSIONAL EXPERIENCE

Program Operations Support Specialist 2021-2022
CSU Online

Lead in communication efforts within the College Relations and Program Strategy (CRPS) team at CSU Online including composing monthly newsletters as well as important email announcements. Assist in tasks within the CRPS team such as creating and paying CDA contracts with partners for courses through CSU Online, and collecting and presenting various data on competitor schools

Communications Admin Support 2020-2021
CSU Online

Assist with various projects, composing monthly newsletters for partners, editing PowerPoints, etc.; extensive use of Excel, PowerPoint, and Marketing Cloud

Kennel Technician 2019-2020
Raintree Animal Hospital

Responsible for the care of clients' dogs, cats, and exotics (birds, snakes, rodents, etc.) that boarded at the hospital

Photographer

2017

Rocky Mountain Collegian

Took photographs for various news articles in the paper and online, examples include staged photos, scenery, and sports

Kennel Technician

2015-2018

Animal Clinic of Los Alamos

Responsible for the care of clients' dogs and cats that boarded at the clinic