**Brandon Woo**

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**phone: (207) 974-9790**

**Education**

* Texas A&M University – Ph.D. in Entomology – 2021-present
* Cornell University – B.S. with Distinction in Research – 2015-2020
	+ Major: Interdisciplinary Studies (Natural History with a focus on Insects)
	+ Minors: Entomology; American Indian and Indigenous Studies

**Research Experience**

* NSF REU student, Song Lab, Texas A&M University (TAMU), College Station, TX – May-August 2019
	+ Creation of a key to 50+ species of *Eremidium* (wingless grasshoppers) from South Africa under NSF grant
	+ Collection and processing of Mormon crickets for USDA Farm Bill project
* Research Intern, Archbold Biological Station (ABS), Venus, FL – June-August 2018
	+ ABS insect collection digitization under NSF grant
	+ Curated Orthoptera collection
	+ Independent project on scrub pygmy mole crickets
* Lab Assistant, Cornell University Insect Collection (CUIC), Ithaca, NY – 2015-2020
	+ Worked under Jason Dombroskie, Ph.D. – assembled unit trays, processed insect trap material, performed moth genitalia dissections, assisted with identifications in Insect Diagnostic Laboratory (IDL)
	+ Curated Orthoptera, Mantodea, Phasmida, Blattodea, and Dermaptera collections – updated taxonomy, made identifications, and organized specimens
* Lab Assistant, Rayor Lab, Entomology Department, Cornell University, Ithaca, NY – summer 2016
	+ Worked under Linda Rayor, Ph.D. – assisted with animal care, including feeding, watering, and cage clean-out for huntsman spiders, amblypygids, tarantulas, cockroaches, and assassin bugs
* Museum of Comparative Zoology, Harvard University, Cambridge, MA – 2013-present
	+ Worked with Piotr Naskrecki, Ph.D, on the grasshopper fauna of Gorongosa National Park, Mozambique – specimen sorting, preparation, dissection, identification, measuring, and entering into database
	+ Created color plates and species write-ups for a faunistic report on the Grasshoppers of Gorongosa
	+ Measured specimens for a faunistic report on the Katydids of Gorongosa
* E.O. Wilson Biodiversity Laboratory, Gorongosa National Park, Mozambique – summer 2015
	+ Collected insect specimens in diverse habitats of Gorongosa with a focus on grasshoppers and crickets
	+ Assisted with collection organization, photographed and prepared insect specimens, organized and added specimens to Gorongosa Biodiversity Database
* University of New Hampshire – summer 2014
	+ Worked under Donald Chandler, Ph.D. – collected leafhopper samples in Belknap County, NH, for Leafhoppers of New Hampshire survey
	+ Cited in resulting paper (Chandler & Hamilton 2017)

**Teaching Experience**

* Teaching Assistant, Insect Biology (ENTOM 2120) – Fall 2016 (professor John Sanderson, Ph.D.) and Fall 2017 (professor Cole Gilbert, Ph.D.)
	+ Helped students collect insects during field sessions
	+ Assisted in teaching students proper specimen preservation techniques and insect identification using dichotomous keys during lab sessions

**Publications**

* Woo B (2022) ﻿*Nemobius sylvestris* (Orthoptera, Trigonidiidae, Nemobiinae) in North America. *Journal of Orthoptera Research* 31(1): 47-53.
* Woo B (2021) A new species of pygmy mole cricket (Orthoptera: Tridactylidae) from the Lake Wales Ridge of Florida and new records of *Ellipes eisneri* from the northern Brooksville Ridge. *Journal of Orthoptera Research* 30(2): 131–143.
* Woo B (2020) First natural history observations of the canyon pygmy mole cricket, *Ellipes monticolus* (Orthoptera: Tridactylidae). *Journal of Orthoptera Research* 29(1): 1-7.

**Collection Visits**

* American Museum of Natural History (AMNH), New York, NY, USA – January 2023
	+ Determined Orthoptera collection, focusing on Nearctic grasshoppers
* Canadian National Collection of Insects, Arachnids and Nematodes (CNC), Ottawa, ON, Canada – February 2018
	+ Curated Orthoptera collection (not curated in 30 years) with a focus on determining unidentified material, under a Canacoll grant
	+ Over 2 weeks added 5 new families, 79 new genera, and 62 new species to the collection

**Fellowships and Grants**

* National Science Foundation (NSF) Graduate Research Fellowship (GRF) (2022)
* Texas A&M University Merit Fellowship (2021)
* Orthoptera Species File Grant (2019)