

Zishi (Violet) Wu

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EDUCATION

University of California, Davis, Expected graduation: June 2023

Wildlife, Fish, and Conservation Biology, minor in **Forensic Entomology**

Current GPA:3.961

Dean's list (Fall 2019, Spring 2020-Spring 2021, Winter 2022)

EXPERIENCE

Undergraduate Researcher, Karp Lab (Davis, CA)

January 2022- Present

- Monitor ~80 nestboxes over a breeding season looking at land use effect on nestling growth.
- Catch bird with flaptrap in nestboxes. Band, measure, and bleed them for stress hormone analysis.
- Trap, banded, and measured 20+ species of wild birds using mist nets.

Undergraduate Researcher, Yang Lab (Davis, CA)

June 2021- Present

- Independent research on the fitness and thermal behavior impact of temperature-derived melanization on monarch caterpillars.
- Lead a team and monitor growth of four milkweed species in the field every two weeks, collect and input data for a long-termed study on milkweed growth and irrigation.

Volunteer, Turkey Vulture Trainer, California Raptor Center (Davis, CA)

June 2021-Present

- Weekly volunteering, responsible for feeding, cleaning, health examination, public education, and medical treatment for the birds.
- Give training sessions to our ambassador Turkey Vultures, Pippin and Merry, for following commands such as “step up”, “perch”, “kisses”, and “crate”.

Content Creator, Bilibili (Remote)

March 2021-Present

- Film, edit, and narrate wildlife documentaries and educational videos about insect physiology and ecology.
- 108 thousand subscribers and over 5 million views in [my channel](#).

Student, California Ecology and Conservation (UC Natural Reserves, CA)

January 2021-March 2021

- Design and conducted scientific research while camping in remote natural field over 50 days.
- Analyze data, present, and publish research result. (See Publication)

Academic Associate, Easy group Inc (Remote)

June 2020- September 2021

- Tutor higher school IB (International baccalaureate) Biology. Content including high school level cell biology, plant and animal physiology, basic genetics, and ecology.

Research Intern, Primate Social Behavior and Conservation Project (Davis, CA) *March 2021- August 2021*

- Read and code research articles on chimpanzee cognition using Primate Cognition Test Battery Analysis.

Intern, UC Davis Dairy (Davis, CA)

October 2020- January 2021

- Assist research conducted by PhD student studying ruminant metabolism and animal nutrition.
- Help in husbandry and treatment of 20 dairy cattle in a feed additive trial. Work include feeding, cleaning, and collecting milk data.

PUBLICATION

Jacob, F., Lucy, M., Roxana, R., **Zishi, W.** 2021. "Evidence of niche partitioning among small mammals in the Eastern Mojave Desert from scat distribution" *CEC Research* Vol. 5 Issue 2. doi.org/10.21973/N3G660.

AWARDS

- Lloyd W. Swift Endowment Fund (\$6400) 2022
- Tracy and Ruth Storer Scholarship (\$2,000) 2021-2022
- Elizabeth Graves Hosselkus Scholarship(\$1000) 2020-2021
- Robert B. Wilson Scholarship(\$2500) 2020-2021
- Gail E. and Ruth M. Oliver Scholarship(\$1500) 2019-2020

SKILLS

Basic R programming	Bird banding and mist-netting	Bird species ID in west coast U.S.
Basic ArcGIS Pro	Video and Photo Editing	Raptor training

ACTIVITIES

- Participant, Christmas Bird Count (Putah Creek, Sacramento, and Rio Cosumnes) *December 2022*
- Member, UC Davis Woman's Ultimate Frisbee B team *September 2019 - September 2021*
- Member, Beijing National Day School musical cast crew *February 2018- June 2019*
- Participant, iGEM (International Genetic Engineered Machine) competition high school division
December 2017-December 2018

