

ANNA YUE YU

440 Church St, Ann Arbor, MI 48109 | +1 (207) 636-0559 | yuay@umich.edu
annayueyu.wordpress.com

EDUCATION

-
- Ph.D. Candidate, School for Environment and Sustainability, University of Michigan** Ann Arbor, MI
Resource Ecology and Management 2027 (expected)
Dissertation: Social-ecological processes underpinning human-wildlife coexistence
Advisor: Dr. Neil Carter
- Master of Environmental Management, School of the Environment, Yale University** New Haven, CT
Ecosystem Management and Conservation track 2022
Capstone: Tibetan herders' motivations for community-based snow leopard monitoring
Advisors: Dr. Oswald Schmitz (Academic), Dr. Bill Weber (Capstone)
- Bachelor of Arts, Colby College** Waterville, ME
Environmental Computation (Conservation Biology track), Minor: Science, Technology, and Society 2019
Honor Thesis: Predictive and dynamic model of moose-vehicle collisions in Maine
Advisor: Dr. Philip Nyhus

PUBLICATIONS

(* Equal contributing authors)

Peer Reviewed Publications

- [1] Gao, Y. & **Yu, Y.** 2025. Justice in coexistence: Pastoralism and large carnivores on the Qinghai-Tibet Plateau. *People and Nature*, 8(7), 2186-2099. DOI: [10.1002/pan3.70125](https://doi.org/10.1002/pan3.70125).

Under review

- [3] **Yu, A.Y.**, Lute, M.L., Dressel, S., Dorresteyn, I., Arts, I. & Carter, N.H. Global patterns, perceived trends, and reported drivers of human-wildlife coexistence: Evidence from a survey of conservation professionals. *Under review for Biological Conservation*.

- [2] Gao, Y., **Yu, A.Y.**, Cui, B., Jiang, J., Qian, F., Song, Yi., Sun, H., Qin, H., Wang, X., Zhao, Y., Zhou, J., Zhu, C. & Xie, Y. Species prioritization based on expert networks and knowledge. *Under review for Biodiversity Science. (in Chinese)*.

- [1] Gao, Y.*, **Yu, A.Y.***, Zhao, X., Yang, F. & Shi, X. Mapping the landscape of biodiversity non-governmental organizations in China. *Under review for Biological Conservation*.

In preparation

- [2] Zuckerwise, A., Hagani, J.S., Volski, L., **Yu, A.Y.**, Hamilton, S., McInturff, A., Ditmer, M.A. & Carter, N.H. Resilient recovery of large carnivores. *In preparation for PNAS*.

- [1] Chen, Q., Li, Y. & **Yu, A.Y.** Bear in mind: Changing social constructions of bears on the Tibetan Plateau. *In preparation for Conservation and Society*.

Book Chapters

- [1] **Yu, Y.** Habitat Monitoring, Assessment, and Restoration (Chapter 4). *In Gao, Y. (Ed.), Artificial Intelligence and Nature Conservation*. Shanghai Scientific and Technical Publishers: Shanghai, China. *(in Chinese)*. Forthcoming.

Non-Peer Reviewed Articles

- [3] **Yu, Y.** 2021. Citizen science and urban biodiversity: Squirrels vitalize the city. *Forest and Humankind*, 4, 62-73. *(in Chinese)*.
- [2] **Yu, Y.** 2019. Developing a predictive and dynamic moose-vehicle collisions model in Maine. *Honors*

Theses, Digital Commons @ Colby. Paper 992. <https://digitalcommons.colby.edu/honorstheses/992>
 [1] Nyhus, P.J., Yu, A.Y. & Wu, C.J. 2017. Of Stripes and Spots: Can a Growing Dragon Save a Tiger? *China Policy Institute: Analysis*, 6.

GRANTS, SCHOLARSHIPS AND AWARDS

Research Grants (Total: \$59,854)

Research & Conservation Grant (\$10,000), International Association for Bear Research and Mgmt.	2026
Rackham Conference Travel - Patricia C. Schroeder Family Award (\$3,450), UM	2024, 2025, 2026
SEAS Conference Travel Grant (\$700), University of Michigan	2024, 2025, 2026
Lieberthal-Rogel Center for Chinese Studies Conference Travel Fellowship (\$2,000), UM	2024, 2026
Rackham International Research Award (\$6,500), University of Michigan International Institute	2025
Institute for Social Research-Rackham Summer Training Award (\$1,250), University of Michigan	2025
Rackham Graduate Student Research Grant (\$4,500), University of Michigan	2024, 2025
Institute for Global Change Biology Graduate Fellowship (\$1,500), University of Michigan	2024
Rackham Language Training Award (\$5,954), University of Michigan	2023
Lieberthal-Rogel Summer Travel and Research Fellowship (\$5,000), University of Michigan	2023
Global Individual Grant (\$3,500), University of Michigan International Institute	2023
McCarthy-Worth Scholarship for Leadership in Conservation Science (\$2,500), Yale University	2021
Berkley Conservation Scholarship (\$4,000), Yale School of the Environment	2020
Special Project Grant (\$500), Colby College	2019
F. Russell Cole Student Research Fellowship (\$3,500), Colby College	2018
Kathryn Ellis Fredericks Student Research Fund (\$3,500), Colby College	2017
Environmental Studies Program JanPlan Fund (\$1,500), Colby College	2017

Scholarships, Honors, and Awards (Total: \$112,884)

GWIS National Fellowship Honorable Mention, Graduate Women In Science	2026
Barbour Scholarship - Rackham Predoctoral Fellowship (\$43,788), University of Michigan	2026
Rackham Doctoral Intern - Harvey G. & Joyce H. Behner Graduate Fellowship (\$14,596), UM	2026
Teaching Fellow Award for Excellence (\$500), Yale School of the Environment	2022
Yale School of the Environment Scholarship (\$54,000), Yale University	2019-2020, 2021-2022
Summa Cum Laude, Colby College	2019
Phi Beta Kappa, Colby College	2019
Environmental Studies Award, Colby College	2019
Dean's List, Colby College	2015-2019
Charles A. Dana Scholar, Colby College	2017, 2018
Julius Seelye Bixler Scholar, Colby College	2016

RESEARCH EXPERIENCE

IUCN Species Survival Commission, China Species Specialist Group	Beijing, China/Remote
Policy and Outreach Intern, Advisor: Dr. Yan Xie and Dr. Yufang Gao	January 2026-Present
Developing China's national biodiversity monitoring framework in protected areas	
University of Michigan, School for Environment and Sustainability	Ann Arbor, MI
Dissertation Research, Advisor: Dr. Neil Carter	August 2022-Present
Social-ecological processes underpinning human-wildlife coexistence	
Yale University, School of the Environment	New Haven, CT
Project Research Assistant, Advisor: Dr. Amy Vedder	February-May 2022

- Mapping the landscape of biodiversity conservation NGOs in China
Master's Capstone Project, Advisor: Dr. Bill Weber February 2021-May 2022
 - Tibetan herders' motivations for monitoring snow leopards in Sanjiangyuan, China
Center for Earth Observation Assistant, Advisor: Dr. Shimon Anisfeld September 2019-May 2020
 - Vegetation changes in Quinnipiac River marshes using UAV images
- Shan Shui Conservation Center** Sanjiangyuan/Hangzhou/Beijing, China
- Snow Leopard and Grassland Conservation Program Consultant* February-August 2021
- Community-based snow leopard monitoring and conservation in Sanjiangyuan, China
- Citizen Science Program Consultant*, Supervisor: Dr. Chen Cheng February 2020-January 2021
- Citizen science approaches to urban phenology and biodiversity surveys
- Nature Watch Program Database Intern*, Supervisor: Dr. Chen Cheng December 2019-February 2020
- EIA big data analysis of construction impacts on protected areas in China
- National Parks Conservation Association** Washington, DC/Remote
- Endangered Species Act Intern*, Supervisor: Dr. Ryan Valdez May-July 2020
- Mapping the effects of national parks on the conservation of ESA-listed endangered species
- Colby College, Environmental Studies Program** Waterville, ME
- F. Russell Cole Research Fellow*, Advisor: Dr. Philip Nyhus and Dr. Nick Record June 2017-May 2019
- Developing a predictive and dynamic model of moose-vehicle collisions in Maine
- Capstone Project*, Advisor: Dr. Denise Bruesewitz September-December 2018
- Hydrological connectivity and urban stream syndrome in Waterville, Maine
- Round River Conservation Studies / University of Botswana** Okavango Delta, Botswana
- Research Student*, Advisor: Dr. Kaggie Orrick and Samara Moreira Müller February-May 2018
- Community-based herbivore and bird monitoring in the Okavango Delta, Botswana
- Bermuda Institute of Ocean Sciences** St. George's, Bermuda
- Bigelow Laboratory for Ocean Sciences** East Boothbay, ME
- Visiting Research Student*, Advisor: Dr. Nichole Price and Dr. Benjamin Neal January 2017
- Human impacts on benthic coral communities in Bermuda

PRESENTATIONS

(* Equal contributing and presenting authors)

- [17] **Yu, A.Y.** & Carter, N.H. 2026. Perceiving bear risks: Incorporating community dynamics into conservation planning. *29th International Bear Association Conference*, Pescasseroli, Italy. *Oral Presentation*. (accepted).
- [16] **Yu, A.Y.**, Lute, M. & Carter, N.H. 2026. Global priorities and gaps in achieving human-wildlife coexistence: Insights from conservation professionals. *North American Congress for Conservation and Restoration*, Milwaukee, WI. *Oral Presentation*.
- [15] **Yu, A.Y.** & Carter, N.H. 2026. Perceiving bear risks: Incorporating community dynamics into conservation planning. *Conservation Asia Congress Nepal 2026*, Kathmandu, Nepal. *Oral Presentation*.
- [14] Carter, N.H., **Yu, A.Y.** & Lute, M. 2025. Coexisting with wildlife – global status, trends, and gaps. *Pathways 2025: Human Dimensions of Wildlife Conference*, Estes Park, CO. *Oral Presentation*.
- [13] **Yu, A.Y.** & Carter, N.H. 2025. Incorporating social and community dynamics into conservation planning. *Pathways Conference 2025*, Estes Park, CO. *Oral Presentation*.
- [12] **Yu, A.Y.** & Gao, Y. 2025. Traditional pastoral practices promote environmental justice in risk-sharing for coexistence with large carnivores. *32nd International Congress for Conservation Biology*, Brisbane, Australia. *Oral Presentation*.

- [11] Carter, N.H., **Yu, A.Y.** & Lute, M. 2024. Toward an integrated science of human-wildlife coexistence. *Pathways Europe 2024: Human Dimensions of Wildlife Conference*, Córdoba, Spain. *Oral Presentation*.
- [10] **Yu, A.Y.** & Carter, N.H. 2024. Carnivores reclaimed: Changing patterns of human-wildlife coexistence in Sanjiangyuan, China. *North American Congress for Conservation Biology*, Vancouver, Canada. *Oral Presentation*.
- [9] **Yu, A.Y.**, Gao, Y., Jiang, N. & Zhao, X. 2022. Tibetan herders' motivation for monitoring snow leopards in Sanjiangyuan, China. *Student Conference on Conservation Science-New York*, New York City, NY/Virtual. *Poster*.
- [8] **Yu, A.Y.** & Gao, Y. 2022. Mapping Chinese non-state actors in biodiversity conservation. *Ecological Society of America and Canada Society for Ecology and Evolution Joint Meeting*, Montréal, Canada. *Poster*.
- [7] **Yu, A.Y.**, Wang, C.S., Wu, J., Tupper, B., Record, N.R. & Nyhus, P.J. 2020. Developing a predictive and dynamic model of moose-vehicle collisions in Maine. *Ecological Society of America Annual Meeting*, Virtual. *Poster*.
- [6] **Yu, A.Y.** & Nyhus, P.J. 2019. Developing a predictive and dynamic model of moose-vehicle collisions in Maine. *GISday Conference at Yale*, New Haven, CT. *Flash Talk*.
- [5] **Yu, A.Y.** 2019. Developing a predictive and dynamic moose-vehicle collisions model in Maine. *Colby Liberal Arts Symposium*, Waterville, ME. *Oral Presentation*.
- [4] **Yu, A.Y.** * & Colmenares, M.* 2018. Exploring urban stream syndrome in Waterville, Maine: patterns of catchment land use and urbanization. *Environmental Science Capstone Conference*, Waterville, ME. *Oral Presentation*.
- [3] Barkan, A.*, Bluman, S.* & **Yu, A.Y.** * 2018. Difference in Herbivore Demography Using Distance and Strip-width Sampling in the Okavango Delta, Botswana from 2016–2018. *Department of Wildlife and National Parks in Botswana*, Maun, Botswana. *Oral Presentation*.
- [2] **Yu, A.Y.** & Wu, J. 2017. A preliminary view on a spatial and predictive model of moose-vehicle collisions in Maine. *Colby Undergraduate Summer Research Retreat*, The Forks, ME. *Poster*.
- [1] **Yu, A.Y.** & Jia, R. 2017. Distribution and accessibility of public green space in Waterville, ME. *Colby Liberal Arts Symposium*, Waterville, ME. *Poster*.

TEACHING AND MENTORSHIP

Graduate Student Instructor / Teaching Assistantship

<i>ENV 317: Conservation of Biological Diversity</i> , UM Program in the Environment	Fall 2025
<i>EAS 531: Principles of GIS</i> , UM School for Environment and Sustainability	Fall 2023, Winter 2024
<i>ENV 744: Conservation Science and Land Planning</i> , Yale School of the Environment	Spring 2022
<i>SC 212: Introduction to Statistical Methods</i> , Colby College	Spring 2019

Invited / Guest Lectures

<i>ENV 760: Conservation in Practice: An International Perspective</i> , Yale School of the Environment	Spring 2026
2025 LMU-ChAN Scientific Forum, Ludwig Maximilian University of Munich	Fall 2025
<i>Introduction to Conservation Science for Tibetans</i> , Conservation Edgewalker Alliance	Spring 2024, 2025
<i>ENVS 150: Nature of Earth</i> , American University	Fall 2024, Spring 2025

Community Workshops

<i>Camera Trap Field Training</i> , Various Workstations, Nagqu Forestry and Grassland Administration	2021
<i>Camera Trap Field Training</i> , Various Field Sites, Sanjiangyuan National Park	2021
<i>Community Computer Workshop</i> , Okavango Research Institute	2018

Student Mentorship

Graduate Student Mentees

Jincheng Yao, M.S., UM School for Environment and Sustainability	2025-Present
--	--------------

Shiyang Du, M.S., UM School for Environment and Sustainability	2025-Present
Vatsal Parikh, M.S., UM School for Environment and Sustainability	2023-2025
Fang Chen, M.S., UM School for Environment and Sustainability	2022-2024
<i>High School Mentees</i>	
Qinyuan Xiao, Shanghai Starriver Bilingual School	2026
Jiachen Lu, Nanjing Jinling High School	2026
Yuxiu Liu, High School Affiliated to Nanjing Normal University	2026
Yuzhe Chen, Shanghai Pinghe School	2026

LEADERSHIP AND OUTREACH

Leadership

Web Manager, Society for Conservation Biology, University of Michigan Chapter	2024-Present
WeChat Account Team, Graduate Employees' Organization, University of Michigan	2023-Present
Co-Leader, Michigan University-Wide Sustainability & Environment Initiative, UM	2024-2025
Student Representative, SEAS PhD Admissions Committee, University of Michigan	2023-2024
Treasurer, Society for Conservation Biology, University of Michigan Chapter	2022-2024
Community Outreach Chair, Doctoral Organizing Committee, University of Michigan SEAS	2023-2024
Co-Leader, Society for Conservation Biology Student Interest Group, Yale University	2020-2021
Co-President, Environmental Coalition, Colby College	2018-2019
Program Leader, Colby Volunteer Center, Colby College	2016-2019
Student Assistant, Environmental Studies Program, Colby College	2015-2019
Student Representative, CLAS Steering Committee, Colby College	2017-2018

Scientific Outreach

Scientist Spotlight, The 20th Annual Science Olympiad Competition @ Pioneer High School	2024
Scientist Spotlight, University of Michigan Museum of Natural History	2024
Science Communication Fellow, University of Michigan Museum of Natural History	2024
Writer, Yale Environmental Review	2021
Panelist, Conservation × Education Live Panel, Huatai Securities “One Yangtze River” Program	2021
Cartographer, “Water Resources” by Dr. Shimon C. Anisfeld (2 nd Edition)	2019-2021
Conservation Education Intern, Environmental Leadership & Training Initiative	2019-2021
EcoRep, Office of Sustainability, Colby College	2016-2019
Animal Project and Group Outreach Intern, Roots & Shoots Beijing	2015-2016

Community Services

Reading Volunteer/Mentor, New Haven Reads	2019-2020
International Student Mentor, International Club, Colby College	2018-2019
Community Advisor, Campus Life, Colby College	2017-2019

Media Coverage

The Brown Bear Next Door . Discover Rackham.	2026
Crash course: Student team uses statistical modeling and Bigelow partnership to map moose-car "hot zones." Colby Magazine.	2018

PROFESSIONAL SERVICE

Conference and Session Organizer

“From Knowledge to Knowing: Cocreating Strategies for Sustainable Human-Wildlife Coexistence” with Gao, Y., International Congress for Conservation Biology, Brisbane, Australia	2025
---	------

“Implications of successful carnivore recovery: a systems-based approach to achieving coexistence in a changing world” with Zuckerwise, A., Hagani, J. S., Chen, F. & Carter, N. H., North American Congress for Conservation Biology, Vancouver, Canada 2024

GISDay Conference at Yale, New Haven, CT 2019

Colby Liberal Arts Symposium, Waterville, ME 2017

The 5th Roots & Shoots Animal Protection Project Competition, Beijing, China 2016

Conference Volunteer and Moderator

“Exploring and managing human-wildlife interactions to protect and sustain biodiversity in terrestrial and aquatic ecosystems” in North American Congress for Conservation and Restoration, Milwaukee, WI 2026

The 5th China Snow Leopard Forum, Chengdu, China 2023

The 26th Annual International Society of Tropical Foresters Conference, New Haven, CT 2020

Community, Culture, & Conservation: Sustaining Livelihoods and Landscapes Conference, Waterville, ME 2016

Peer Reviewer

Human Dimensions of Wildlife 2026

Global Ecology and Conservation 2026

PLOS One 2025, 2026

Conservation Science and Practice 2025, 2026

Ecology & Society 2023

Professional Membership

Graduate Women in Science 2025-Present

International Association for Bear Research and Management 2024-Present

The Wildlife Society 2022-Present

Society for Conservation Biology 2019-Present

Society for Conservation GIS 2019-Present

Ecological Society of America 2017-Present

SKILLS

Language	Chinese (<i>native</i>); English (<i>fluent</i>); Italian (<i>elementary</i>); Tibetan (<i>elementary</i>)
Programming Language	R, Python, Java (<i>proficient</i>); MATLAB, C/C++, JavaScript, Flutter (<i>experience</i>)
Geospatial Analysis	ArcGIS (Desktop & Pro), QGIS, RStudio, MaxEnt, Distance, Circuitscape, Agisoft Metashape, Google Earth Engine
Field Method	Camera trapping, distance sampling/transect survey, avian point count, quadrat sampling, UAV operations, basic mechanical knowledge Surveys, interviews, focus group discussions, ethnographic observation
Certificate	Wilderness First Aid, CPR certificate