

AUSTIN GREEN

5369 South Willow Lane, Murray, UT 84107

(801) 577-6548

austin.m.green@utah.edu

SUMMARY OF QUALIFICATIONS

I am a Ph.D. candidate in the Biodiversity and Conservation Ecology Lab at the University of Utah. I have eight years of research and four years of teaching experience in molecular genetics, urban ecology, conservation biology, and statistics. I have studied various aspects of how human influence affects wildlife distribution and behavior. I am passionate about teaching and inspiring members of the public to get involved in the scientific process and actively manage a community science project and online database ([Wasatch Wildlife Watch](#)).

EDUCATION: UNIVERSITY OF UTAH: 2012 - PRESENT

- **PH.D. – CONSERVATION ECOLOGY AND WILDLIFE MANAGEMENT (IN PROGRESS)**
 - Principal Investigator: Çağan Şekercioğlu
 - Investigating how human influence and activity alter wildlife distribution and behavior
- **HONORS BACHELORS OF SCIENCE – ENVIRONMENTAL AND ORGANISMAL EMPHASIS**
 - Graduated with a 3.96 Grade Point Average and a minor in Chemistry; Dean's List every enrolled semester and received cum laude honors
 - Received the Honors on Entrance, Jimmy Hoffa Memorial, and Teamsters Local 222 Scholarships
 - Received the Undergraduate Research Scholar award
 - Wrote and published an Honors Thesis on independent wildlife research using camera traps

RESEARCH EXPERIENCE: UNIVERSITY OF UTAH: 2014 - PRESENT

- **CAMERA TRAP METHODOLOGY, PI: ÇAĞAN ŞEKERCIOĞLU**
 - Project: Maximizing Efficiency of Camera Trap Survey Design in an Intermountain West Riparian Ecosystem
 - Setup camera traps in Red Butte Canyon Research Natural Area, Utah from May 2014 – September 2016 using three commonly adopted survey designs
 - Sorted photos using Camera Base software
 - Constructed Bayesian Site Occupancy models in Program R to analyze differences in animal habitat usage across survey designs
 - Assessed the validity of camera trap motion triggers vs. passive photo sensing, as well as 2-camera traps v. single-camera traps from January 2015 – January 2016
 - Created an expedited protocol for quick photo sorting using QuickTime Player and Image J software
- **EURASIAN BROWN BEAR DNA ANALYSIS, PI: ÇAĞAN ŞEKERCIOĞLU**
 - Project: Assessing Eurasian Brown Bear Population Size through DNA Genotyping of Scat Samples from January 2016 – January 2017
 - Gathered scat in northeastern Turkey using trained scat-detection dogs
 - Extracted DNA from scat samples and performed DNA microsatellite amplification
 - Analyzed DNA genotyping data to identify individual Eurasian brown bears
- **EURASIAN BROWN BEAR, GREY WOLF, AND EURASIAN LYNX GPS COLLARING, PI: ÇAĞAN ŞEKERCIOĞLU**

- Project: Assessing the Spatial Ecology of Medium-Large Predators in a Human-Dominated Landscape in Northeastern Turkey
 - Funded by The British Broadcasting Corporation (The BBC) as part of a publicly-televised three-episode miniseries, *Animals with Cameras*.
 - Live-trapped Eurasian brown bear, grey wolf, and Eurasian lynx from May 2017 – July 2017
 - Programmed and attached GPS collars to carnivores in the field, measured individual body quality and extracted blood and hair samples for future analysis, and assessed GPS locations of individuals through radio telemetry
- **SOUTHERN RIGHT WHALE IDENTIFICATION, POPULATION ASSESSMENT, AND ARCHIVAL, PI: VICTORIA ROWNTREE**
- Project: Identifying Individual Southern Right Whales to assess Population Trends
 - Supervised the cataloguing of individual whales of the coast of Argentina using machine learning and photo identification software
 - Created an archival database for previous years' photographs
 - Helped write an NSF grant proposal to secure funding for future years
- **COMMUNITY SCIENCE CAMERA TRAPPING, PI: ÇAĞAN ŞEKERCİOĞLU**
- Project: Wasatch Wildlife Watch: Assessing the Effects of Humans on the Mammal Community of Northeastern Utah through Camera Traps and Community Science
 - Designed a community science project spanning over 1000 km² and over 1,000 camera sites across the Wasatch Mountain Range and surrounding Salt Lake Valley
 - Initiated collaborations with Wild Utah Project, the Natural History Museum of Utah, Salt Lake City's Trails and Natural Lands Division, The Utah Division of Wildlife Resources, The United States Forest Service, Snapshot USA, the Urban Wildlife Information Network, National Geographic, and Utah State University
 - Recruited, trained, and managed over 500 citizen scientists and undergraduate students from May 2018 – present
 - Participated in the Community Engaged Learning Program run by Amy Sibul at the University of Utah to educate, train, and provide research experience to undergraduate students at the University of Utah
 - Placed in charge of maintaining the project's website, reviewing photo classifications, assigning deployments, and managing data entry and analysis through the online portal eMammal
 - Selected as the lone Utah representative in a nationwide mammal camera trapping project, Snapshot USA
 - Selected as a member of the Urban Wildlife Information Network and am currently the only member with projects from two locations (Salt Lake City and Logan, Utah)
 - Processed and analyzed data from over 1,000,000 independent wildlife events
 - Started multiple projects investigating the effects of affluence on mammal diversity, the presence of a major interstate highway on seasonal elk habitat usage, the behavioral consequences of urbanization, and the presence of minimal to heavy human and dog traffic on mountain lion spatiotemporal activity patterns
 - Obtained vast knowledge of advanced statistical analysis techniques through construction and implementation of hierarchical Bayesian population distribution, behavior, and abundance models
 - Gained valuable teaching and training experience by mentoring well over 50 undergraduate students and hundreds of trained community scientists
 - Become one of the lead analysts for the Urban Wildlife Information Network (UWIN) and Snapshot USA, where I have led work on investigating the effects of species life history trait variation and plasticity on mammalian spatial response to urbanization, the spatiotemporal response and effects of bobcats on other carnivores, gray fox distribution across the U.S., and how urbanization has altered mammalian functional diversity and community composition

PUBLICATIONS – PEER-REVIEWED

2019

- Alexandrino ER, . . . , **Green A** et al (2019) Challenges in engaging birdwatchers in bird monitoring in a forest patch: Lessons for future citizen science projects in agricultural landscapes. *Citizen Science: Theory and Practice* 4:4.

2020

- **(First Author) Green AM**, Chynoweth MW, Şekercioğlu CH (2020) Spatially explicit capture-recapture through camera trapping: A review of benchmark analysis for wildlife density estimation. *Frontiers in Ecology and Evolution* 8:563477.
- **(Co-First Author) Adler FR, Green AM, Şekercioğlu CH** (2020) Citizen science in ecology: A place for humans in nature. *Annals of the New York Academy of Sciences* 1469:52-64.

2021

- **(Co-First Author) Blount JD, Chynoweth MW, Green AM, Şekercioğlu CH** (2021) Review: COVID-19 highlights in importance of camera traps for wildlife conservation research and management. *Biological Conservation* 256:108984.
- Cove MV, . . . , **Green AM** et al (2021) SNAPSHOT USA 2019: A coordinated national camera trap survey of the United States. *Ecology* e03353.
- Suraci JP, . . . , **Green AM** et al (2021) Disturbance type and species life history predict mammal response to humans. *Global Change Biology* 27:3718-3731.
- Magle SB, . . . , **Green AM** et al (2021) Wealth and urbanization shape mammalian communities across North America. *Global Change Biology*, in press.

IN REVIEW

- **(First Author) Green AM**, Pendergast ME, Barnick KA, Şekercioğlu CH () Species differences in temporal response to urbanization alters predator-prey and human overlap in northern Utah. Submitted to *Urban Ecosystems*.
- **(Co-First Author) Barnick KA, Green AM, Pendergast ME, Şekercioğlu CH** () Comparing mammalian community response to human development, Interstate Highway 80, and environmental factors in the Wasatch Mountain Range. Submitted to *Conservation Science and Practice*.
- **(First Author) Green AM**, Keller H, Young E, Pendergast ME, Şekercioğlu CH () Differential human activity patterns mediate the effects of increased traffic on wildlife diel activity: testing the ‘Weekend Effect.’ Submitted to *Conservation Science and Practice*.
- Allen ML, . . . , **Green AM** et al () Human intensity and climate drive function differentiation of mammal communities at varying spatial scales across the USA. Submitted *Global Change Biology*.

PUBLICATIONS – NEWSPAPER AND NON-PEER-REVIEWED

- Paul Gabrielsen. U biologist needs you. Published in the University of Utah’s @TheU 10 September 2018. Available online: <https://attheu.utah.edu/facultystaff/u-biologist-needs-you/>
- **Austin Green** & Allison Jones. Commentary: Citizen Science needed to study Wasatch Wildlife. Published in the Salt Lake Tribune 16 November 2018. Available online: <https://www.sltrib.com/opinion/commentary/2018/11/16/commentary-citizen/>
- Brian Maffly. Critter cams have produced thousands of images of wildlife roaming northern Utah’s mountain trails. Published in the Salt Lake Tribune 31 December 2018. Available online: <https://www.sltrib.com/news/environment/2018/12/31/critter-cams-have/>
- Stephens SR, **Green AM** (2019). Red rock desert black bears: Using stable isotope analysis to estimate dispersal. *International Bear News* 28:26-27. Available online: https://www.bearbiology.org/wp-content/uploads/2020/01/283_Fall2019_small.pdf

- Paul Gabrielsen. How do U. . . participate in crowdsourced science? Published in the University of Utah's @TheU 22 January 2021. Available online: <https://attheu.utah.edu/facultystaff/how-do-u-participate-in-crowdsourced-science/>
- Riley Black. Community Scientists help Wasatch Wildlife Watch. Published at the Natural History Museum of Utah 12 April 2021. Available online: <https://nhmu.utah.edu/blog/2021/wasatch-wildlife-watch>
- Joshua Wood. Study of wildland urban interface can help policy making. Published in the Cottonwood Heights City Journal 1 June 2021. Available online: <https://www.cottonwoodheightsjournal.com/2021/06/07/358980/in-this-issue-june-2021>
- Jon Pishney. U contributes to first-ever nationwide mammal survey. Published in the University of Utah's @theU 14 June 2021. Available online: <https://naturalsciences.org/calendar/news/snapshot-usa-first-ever-nationwide-mammal-survey-published/>

FORMAL PRESENTATIONS

2014

- **Austin Green.** Using Camera Traps to Compare Multiple Survey Designs in Red Butte Canyon Research Natural Area. Oral Presentation. BioScience Undergraduate Research Symposium, October 2014.

2015

- **Austin Green.** Measuring Occupancy and Temporal Activity of Medium-Large Mammals in Red Butte Canyon Research Natural Area. Oral Presentation. Bioscience Undergraduate Research Symposium, September 2015.

2016

- **Austin Green,** Mark W. Chynoweth, Çağan Şekercioğlu. Measuring Occupancy and Occurrence of Medium to Large Sized Mammals in Red Butte Canyon Research Natural Area Using Motion-Activated Camera Traps. Oral Presentation. Utah Chapter of The Wildlife Society Annual Meeting, St. George, Utah, March 2016.
- **Austin Green,** Mark W. Chynoweth, Çağan Şekercioğlu. Measuring Occupancy of Mammals in Red Butte Canyon Research Natural Area Using Motion-Activated Camera Traps. Poster Presentation. University of Utah Undergraduate Research Symposium, April 2016.
- **Austin Green,** Chole Betts, Mark W. Chynoweth, Çağan Şekercioğlu. Measuring Occupancy and Occurrence of Medium to Large Sized Mammals Using Motion-Activated Camera Traps. Oral Presentation. Natural History Museum of Utah, September 2016.

2017

- **Austin Green.** Science with Photographs: How Pictures can help Protect Our Local Wildlife. Oral Presentation. Loveland Living Planet Aquarium, June 2017.
- **Austin Green.** Mammalian Communities of the Wild Urban Interface along the Wasatch Front: A Community Engagement Camera Trapping Project. Oral Presentation. Utah Chapter of the Backcountry Hunters and Anglers Annual Meeting, Salt Lake City, Utah, September 2017.
- **Austin Green.** Camera Trap in Research: A Citizen Science Opportunity. Oral Presentation, Invited Speaker. Utah State University's Master Naturalist: Desert Ecology, Moab, Utah, October 2017.
- **Austin Green.** Designing a Camera Trap Survey in the Central Wasatch. Oral Presentation. University of Utah School of Biological Sciences TGIF Seminar, December 2017.

2018

- **Austin Green.** Conservation Biology. Oral Presentation. Loveland Living Planet Aquarium, June 2018.
- **Austin Green,** Mary Pendergast, Mark Chynoweth, Çağan Şekercioğlu. A Citizen Science Approach to Monitoring the Central Wasatch Range Wildlife Community along an Urban-

Wildlife Interface. Poster Presentation. North American Congress for Conservation Biology, Toronto, ON, Canada, July 2018.

- **Austin Green.** Wasatch Wildlife Watch: Project Update. Oral Presentation, Invited Speaker. Utah Citizen Science Annual Meeting, Salt Lake City, Utah, November 2018.
- **Austin Green,** Mary Pendergast, Mark W. Chynoweth, Çağan Şekerciöğlü. A Community Science Approach to Monitoring the Central Wasatch Range Wildlife Community Along a Wildland-Urban Interface Gradient. Poster Presentation. University of Utah Center for Ecological Planning and Design, December 2018.
- **Austin Green.** Conservation Biology. Oral Presentation. Slate Canyon Youth Center. December 2018.

2019

- **Austin Green.** Conservation Biology. Oral Presentation. Salt Lake City Correctional Facility, January 2019.
- **Austin Green,** Mary Pendergast, Çağan Şekerciöğlü. Where the Wild Things Are: How Wildlife in Utah Respond to Human Activity. Poster Presentation. University of Utah Global Change and Sustainability Center Annual Symposium, February 2019.
- **Austin Green.** Where the Wild Things are: The Relationship Between Humans and Wildlife in the Wasatch Mountains. Oral Presentation, Invited Speaker. Utah Society for Environmental Education (USEE), February 2019.
- **Austin Green.** Wasatch Wildlife Watch: A Community Science Approach to Investigating the Relationship between Humans and Wildlife in the Wasatch Mountains. Oral Presentation. University of Utah School of Biological Sciences TGIF Seminar, April 2019.
- **Austin Green.** Conservation Biology. Oral Presentation, Invited Speaker. Utah's Hogle Zoo, April 2019.
- **Austin Green,** Mary Pendergast, Lewis Kogan, Çağan Şekerciöğlü. Wasatch Wildlife Watch. Poster Presentation. International Urban Wildlife Conference, Portland, Oregon, June 2019.
- **Austin Green.** Conservation Biology. Oral Presentation, Invited Speaker. Utah State University's Master Naturalist: Mountain Ecology, July 2019.
- **Austin Green.** Maximizing Efficiency of Camera Trap Survey Design in an Intermountain West Riparian Ecosystem. Oral Presentation. University of Utah School of Biological Sciences Retreat, August 2019.
- **Austin Green.** University of Utah, School of Biological Sciences Annual Retreat. Selected Speaker. Utah, August 2019.
- **Austin Green,** Christy Bills, & Rebecca Page. Citizen Science Panel Discussion at the Natural History Museum of Utah, October 2019.
- **Austin Green.** Global Camera Trapping Symposium. Invited Speaker. Mountain View, California, November 2019
- **Austin Green.** Wasatch Wildlife Watch: A Story of Cameras, Community, and Conservation. Oral Presentation. University of Utah School of Biological Sciences TGIF Seminar, November 2019.

2020

- **Austin Green.** Conservation Biology. Invited Speaker. UNI Girls Transition Center. January 2020.
- **(MEETING CANCELLED) – Austin Green.** Utah Chapter of the Wildlife Society Annual Meeting. Invited Speaker. Moab, Utah, March 2020.
- **Austin Green,** Mary Pendergast, Cagan H. Sekercioglu. Where the Wild Things are: How Wildlife Navigate the Wasatch Urban Interface. Ecological Society of America. Selected Speaker. Salt Lake City, Utah, August 2020.
- Laurel Hartley, Cria Kay, **Austin Green,** Thilina Surasinghe. Education Initiatives of the Urban Wildlife Information Network. Ecological Society of America. Latebreaking Poster. Salt Lake City, Utah, August 2020.

- **Austin Green** & Kelsey Barnick. The Effects of Interstate Highway 80 and Human Development on Mammalian Community Composition Across the Wasatch Mountain Range. University of Utah, School of Biological Sciences Annual Retreat. Selected Speaker. Utah, August 2020.
- **Austin Green**, Mary Pendergast, Cagan H. Sekercioglu. Where the Wild Things are: How Wildlife Navigate the Wasatch Urban Interface. University of Utah, School of Biological Sciences Annual Retreat. Poster Presentation. Salt Lake City, Utah, August 2020.
- **Austin Green**. UWIN (Urban Wildlife Information Network) and Snapshot USA: Investigating Nationwide Trends Through Multi-city Collaborations. University of Utah, School of Biological Sciences Scientific Speaking Seminars. Oral Presentation. Utah, September 2020.
- **Austin Green**, Mary Pendergast, Cagan H. Sekercioglu. Where the Wild Things are: Biological Sciences Diversity Fellows Workshop. Poster Presentation. Utah, November 2020.
- **Austin Green**. The Most Dangerous Game: How Does Human Influence Alter Predator-Prey Avoidance Behavior? University of Utah, School of Biological Sciences Scientific Speaking Seminars. Oral Presentation. Utah, November 2020.
- **Austin Green**. Wildlife Research: Leveraging Camera Traps and Community Science to Understand Animal Behavior. Brandywine Zoo, Wilmington, Delaware, December 2020.

2021

- **Austin Green**. Conservation Biology and Community Science through Zooniverse. Mission STEMCAP, Salt Lake City, Utah, January 2021.
- **Austin Green**. Utah Museum of Fine Arts – Beyond the Classroom Science Webinar. Salt Lake City, Utah, January 2021.
- **Austin Green**, Mary Pendergast, Cagan H. Sekercioglu. Where the Wild Things are: How Mammals Navigate the Wasatch Urban Interface. University of Utah, School of Biological Sciences Annual Retreat. Poster Presentation. Salt Lake City, Utah, February 2021.
- **Austin Green**, Adrienne Cachelin, Nalini Nadkarni. Citizen Science and Scientist Citizens: Research, Community Engagement, and Inclusion. University of Utah, Global Change and Sustainability Center. Invited Speaker. Salt Lake City, Utah, March 2021.
- **Austin Green**, Kelsey Barnick, Mary Pendergast, Cagan Sekercioglu. The Effects of Housing Density and Interstate Highway 80 on Mammalian Community Composition in the Wasatch Mountain Range. Utah Wildlife Society Annual Meeting. Selected Speaker. Virtual Meeting, March 2021.
- **Austin Green**. Assessing the potential of golf courses as habitat for urban mammals. International Urban Wildlife Conference. Selected Speaker. Virtual Meeting, May 2021.
- **Austin Green**, Mary Pendergast, Kayleigh Mullen, Tori Bird, Cagan Sekercioglu. Community Science, Cameras, and Conservation: How Leveraging the Power of Community Engagement and Remote Sensing Technology can Answer Large-Scale Wildlife Conservation Questions. Citizen Science Association Conference. Virtual Meeting. Poster Presentation. May 2021.
- **Austin Green**, Mary Pendergast, Kelsey Barnick, Cagan Sekercioglu. Comparing mammalian community response to human development, Interstate Highway 80, and environmental factors in the Wasatch Mountain Range. Ecological Society of America Conference. Selected Speaker. August 2021.

AWARDS

FELLOWSHIPS

- University of Utah Graduate Research Fellowship
 - **\$29,000**
- Global Change and Sustainability Center Graduate Fellowship (University of Utah)
 - **\$27,000**

GRANTS AND AWARDS

- BioScience Undergraduate Research Grant
 - **\$500**
- Bonderman Field Station at Rio Mesa Research Grant
 - **\$1,500**
- Utah Chapter of The Wildlife Society Research Grant – 1st Place
 - **\$2,000**
- Utah Chapter of The Wildlife Society Research Grant – 2nd Place
 - **\$1,500**
- Utah Chapter of The Wildlife Society Research Grant – 3rd Place
 - **\$1,000**
- Utah Natural Heritage Fund: Community Foundation of Utah
 - **\$5,000**
- Sigma Xi Grants-in-Aid of Research
 - **\$1,000**
- Global Change and Sustainability Center Travel Grant
 - **\$500**
- University of Utah, School of Biological Sciences Travel Grant (awarded 2 times)
 - **\$400 each**
- University of Utah, Associated Students of the University of Utah Travel Grant
 - **\$250**
- Global Change and Sustainability Center Research Grant (awarded 3 times)
 - **\$3,000 each**
- University of Utah Sustainable Campus Initiative Fund (awarded 2 times)
 - **\$15,000 & \$10,000**
- National Geographic Society's Early Explorer Grant
 - **\$5,000**
- National Geographic Society's Research and Exploration Grant
 - **\$30,000**
- Alta Sustainability Community Partnership Award
 - **\$2,500**
- Terracon Community Research Grant (awarded 2 times)
 - **\$3,000 and \$2,500**

TEACHING EXPERIENCE – UNIVERSITY OF UTAH: 2014-PRESENT

- **UNIVERSITY OF UTAH BIOLOGY LEARNING CENTER HEAD TUTOR**
 - Tutored both individual students and groups of students in Cell Biology, Genetics, Evolution and Diversity, Ecology and Evolution, Biochemistry, General Biology, and Comparative Vertebrate Morphology
- **UNDERGRADUATE TA, ORGANIC CHEMISTRY**
 - University of Utah, Chemistry Department, Professor: Matthew Sigman
- **UNDERGRADUATE TA, CONSERVATION BIOLOGY**
 - University of Utah, Biology Department, Professor: Çağan Şekercioğlu
- **UNDERGRADUATE TA, ORNITHOLOGY**
 - University of Utah, Biology Department, Professor: Çağan Şekercioğlu

- **UNDERGRADUATE TA, MOLECULAR BIOLOGY OF DNA LAB**
 - o University of Utah, Biology Department, Professor: Martin Horvath
- **GRADUATE TA, EVOLUTION AND DIVERSITY OF LIFE**
 - o University of Utah, Biology Department, Professors: William Brazelton, Sarah Bush
- **GRADUATE TA, ORNITHOLOGY**
 - o University of Utah, Biology Department, Professor: Dale Clayton
- **GRADUATE TA, GENERAL BIOLOGY II**
 - o University of Utah, Biology Department, Professors: William Brazelton, Dave Carrier
- **GRADUATE TA, GLOBAL ENVIRONMENTAL ISSUES**
 - o University of Utah, Biology Department, Professor: William Anderegg
- **GRADUATE TA, MAMMALOLOGY**
 - o University of Utah, Biology Department, Professor: Denise Dearing
- **GUEST LECTURER, URBAN ECOLOGY FOR TEACHERS (5 TIMES)**
 - o University of Utah, Biology Department, Professor: Jimmy Ruff
- **GUEST LECTURER, UNIVERSITY OF UTAH ACCESS SUMMER PROGRAM (2 TIMES)**
 - o University of Utah, Biology Department, Professor: Tanya Vickers
- **GUEST LECTURER, BIOLOGY IN THE 21ST CENTURY (12 TIMES)**
 - o University of Utah, Biology Department, Professor: Tanya Vickers
- **GUEST LECTURER, ZOOLOGY (3 TIMES)**
 - o Judge Memorial High School, Teacher: Dasch Houdeshel
- **GUEST LECTURER, CONSERVATION BIOLOGY**
 - o Wasatch Academy Boarding School
- **GUEST LECTURER, GENERAL BIOLOGY (10 TIMES)**
 - o University of Utah, School of Biological Sciences, Professors: Josh Steffen, Lucas Moyer-Horner
- **GUEST LECTURER, MISSION STEM CAP TEACHER TRAINING SEMINARS (2 TIMES)**
 - o Mission STEM CAP training for teachers at juvenile detention centers
- **GUEST LECTURER, CONSERVATION BIOLOGY**
 - o University of Utah, School of Biological Sciences, Professor: Çağan Şekercioğlu
- **GUEST LECTURER, CONSERVATION BIOLOGY LAB**
 - o University of Utah, School of Biological Sciences, Professor: Çağan Şekercioğlu
- **GUEST LECTURER, UCLA ALTERNATIVE BREAK CONSERVATION BIOLOGY PROJECT**
 - o Wasatch Wildlife Watch Photo Sorting and Uploading

MEMBERSHIPS AND ENGAGEMENTS

- o Organized partnerships with Brigham Young University, Utah State University, The Natural History Museum of Utah, Utah's Hogle Zoo, The Wild Utah Project, Salt Lake City's Trails and Natural Lands Division, the Utah Division of Wildlife Resources, and the United States Forest Service to launch a large-scale community science camera trapping project that has involved over 650 participants to date
- o Invited member of the Central Wasatch Commission, dedicated to ecosystem-level assessment of and providing public data about the United States' most highly recreated National Forest

- Worked with Amy Sibul and the Community Engaged Learning Program at the University of Utah to bring research opportunities to undergraduate students in the field of biological sciences.
- Recognized as a voting member on the Urban Wildlife Information Network ([UWIN](#)) Research Council and Education and Outreach Committee
- Invited as the Utah member of Snapshot USA ([see here](#)), a nationwide collaboration that looks to answer large-scale questions about mammal distribution and interaction across the United States varying wildland-urban interfaces
- Invited to be a test-user of a new machine-learning project, *Wildlife Insights* (see [online description](#)), aimed at harnessing the power of camera traps, citizen science, and artificial intelligence. This is a collaboration between Conservation International, the Smithsonian Institution, the Wildlife Conservation Society, the North Carolina Museum of Natural Sciences, and Google
- Participated multiple times as an ambassador for the INSPIRE/STEMCAP program, which facilitates dialogue and collaboration between underrepresented communities in science and scientists ([website](#))
- Initiated a collaboration with the [Oceans of Data Institute](#) and the National Geographic Explorers program. This project looks to use specific datasets and “data stories” as learning modules and classroom teaching resources
- Invited as a member of the [Center for Ecological Planning and Design](#) at the University of Utah, currently working on a project to both restore public and wildlife access to Red Butte Creek as well as measure the effects of this restoration on wildlife populations
- Reviewed for the following journals: *Biological Conservation*, *Conservation Biology*, *Wildlife Society Bulletin*, *The Journal of Wildlife Management*, and *The Wilson Journal of Ornithology*, *Urban Ecosystems*, *PLoS ONE*
- Featured in a special exhibit at the Natural History Museum of Utah, [Nature All Around Us, Salt Lake Tribune article](#)
- Engaged and trained over 50 undergraduate students as a research mentor through the University of Utah
- Participated in a [radio interview on KPCW](#) about Utah wildlife conservation and citizen science opportunities
- Created [online web training](#) for Wasatch Wildlife Watch
- Participated as a conservation biology expert for the Natural History Museum of Utah’s opening of *Nature All Around Us*
- Participated in three interviews on conservation biology and developed classroom material as part of the [Natural History Museum of Utah’s online ResearchQuest](#)
- Nominated and elected as a founding board member of the UTAH WILDLIFE FEDERATION, the Utah affiliate of the National Wildlife Federation. Currently serving as the Vice-Chair
- Participated as a member of the University of Utah’s School of Biological Science’s Annual Retreat Committee, where I helped organize a poster symposium and multiple contributed talks while moderating question and answer sessions
- Organized and serve as chair of the University of Utah’s R Club, where I help new users navigate the R programming language for statistical analysis
- Recognized by the National Geographic Society as an official [National Geographic Explorer](#)
- Selected as the Utah Wildlife Federation’s elected representative to the Utah Wildlife Connectivity Working Group funded by the Utah State Legislator’s Wildlife Connectivity Initiative
- Participated in radio interview for Utah Public Radio, discussing the effects of urbanization on wildlife behavior. Link available at: <https://www.upr.org/post/can-wildlife-and-humans-coexist-urbanization-increases>