

Andie M. Creel

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EDUCATION

- **Yale School of the Environment**, New Haven, CT
PhD Student, 2026
Dissertation Title: Essays on the Value of Outdoor Recreation and Green Space
- **Yale School of the Environment**, New Haven, CT
Master of Environmental Science, 2021
Thesis Title: People Use Park with People: Usage Change during the COVID-19 Pandemic
- **Montana State University**, Bozeman, MT
Bachelor of Science in Economics, Summa Cum Laude, 2018
Minor in Computer Science

WORK IN PROGRESS

- Natural Capital Accounting of Recreation in Urban Green Space
Chapter One of Dissertation
- Benefits of Urban Green Space on Spending During Heat Waves
Chapter Two of Dissertation
- The unequal distribution of Land and Water Conservation Fund across racial groups with Margaret Walls (Resources for the Future)
- Environmental Federalism and grizzly bears: estimating the shadow price of a bear with Andrew Vogt (Ph.D. student, Yale University) and Scott Carpenter (Ph.D. Candidate, Yale University)

RESEARCH FELLOWSHIPS

- Graduate Research Fellow, Property and Environmental Rights Council (PERC), Bozeman, MT
Supported writing chapter one of my dissertation: Value of Local Recreation using the ATUS, June 2024-August 2024
- Research Associate to Dr. Margaret Walls, Resources for the Future, Washington D.C
Determining the distribution of Land Water Conservation Funds across different demographics, May 2021-August 2021
- Graduate Research Associate to Dean Kerwin Charles, Yale School of Management, New Haven, CT
Documented qualitative observations from secondary sources about the desegregation of hospitals, July 2019-December 2019
“The federal effort to desegregate southern hospitals and the black-white infant mortality gap”, 2020. National Bureau of Economic Research Working Paper: 27970
- Undergraduate Research Associate to Dr. Kerwin Charles, University of Chicago, Chicago, IL
Compiled dataset on operation dates and size of Black hospitals in 19th and 20th centuries, January 2018-July 2019

CONFERENCE AND SEMINAR PRESENTATIONS

- **2025**
Spring Confluence Research and Discussion Series, Yale School of the Environment
- **2024**
Invited Speaker, Western Community and Connections Seminar Series, Yale School of the Environment
Property and Environmental Rights Council Summer Seminar, Bozeman, MT
ECON Student Interest Group Lunch Series, Yale School of the Environment
Spring Confluence Research and Discussion Series, Yale School of the Environment
- **2023**
Camp Resources, Ashville, NC
OSWEET Series: April 28
Yale School of the Environment Research Day
- **2022**
Fall Confluence Research and Discussion Series, Yale School of the Environment
Spring Confluence Research and Discussion Series, Yale School of the Environment
- **2021**
OSWEET Series: August 27
PERC Internal Seminar Series, Bozeman, MT
AERE Summer Conference
Yale School of the Environment Research Day
ECON Student Interest Group Lunch Series, Yale School of the Environment

TEACHING EXPERIENCE

- Graduate Teaching Fellow, ENV 762, Yale School of the Environment
Applied Math for Environmental Scientists, Fall 2023 and 2024
4.8/5 average review from 11 students in 2023
[Link to GitHub](#)
- Instructor, Intro to Excel for Environmental Science, Yale School of the Environment
Prepared and presented a two-hour workshop on using Excel for environmental problems, Summer 2024
- Lead Teaching Fellow for Community Orientation (aka MODs), Yale School of the Environment
Co-developed teaching material on three-day course in environmental leadership, Summer 2023 and 2024
4.83/5 instructor average review from 53 students in 2024 (2023 survey not available)
- Graduate Teaching Fellow, ENV 617, Yale School of the Environment
Real World Environmental Data Science, 4.6/5 average review from 17 students, Spring 2024
- Instructor, Intro to Programming Workshop, Yale School of the Environment
Prepared and presented 6 lectures over 3 days, 4.7/5 average review from 16 students, January 2024
[Link to GitHub](#)
- Graduate Teaching Fellow, ENV 795, Yale School of the Environment
Nature as Capital, 5/5 average review from 16 students, Spring 2023

Received Teaching Fellow Award for Excellence
[Link to GitHub](#)

- Graduate Teaching Fellow, ECNS 330, Yale Economics Department
Natural Resource Economics, 4.7/5 average review from 33 students, Fall 2020
- Teaching Fellow for Community Orientation (aka MODs), Yale School of the Environment
Led ten incoming students through a week-long orientation (conducted online due to COVID-19), Summer 2020
- Undergraduate Peer Leader, ECNS 101, MSU Economics Department
Economic Way of Thinking, Spring, Fall 2017
- Undergraduate Teaching Assistant, CSCI 111, MSU Computer Science Department
Introduction to Programming with Java, Spring 2017
- Undergraduate Teaching Assistant, ECNS 204, MSU Economics Department
Microeconomics, Spring, Summer, Fall 2015; Spring 2016

NONPROFIT EXPERIENCE

- Backcountry Squatters, Bozeman, MT
Founder, Chair of Board, DEI Coordinator, 2018 – Present
Founded with the mission to grow college-aged women and non-binary folks' participation, leadership, and representation in the outdoor industry and community.
Implement annual DEI training for all members in leadership (50 women) and frame inter-sectional goals as mission-critical
- Madera/Chowchilla Resource Conservation District, San Joaquin Valley, CA
Research Fellow, 2020
Contributed to the RCDs' strategic plan aimed at preserving working landowners' livelihoods while also addressing environmental stressors, primarily groundwater depletion.
Positioned the RCD to partner with leaders at key NGOs and Universities (Environmental Defense Fund, The Nature Conservancy, Stanford's Water in the West, UC – Merced, UC – Davis, and more).
- The Montana Engagement Partnership: Prairie Populist, Bozeman, MT
Advocacy Journalist, 2017 – 2019
Awarded runner-up for Best Digital Reporting from the International Association of Fire Fighters for personal reporting.
Published one article per week highlighting the positive solutions coming out of Montana's rural communities.
- The Montana Grizzly Project, Bozeman, MT
Founder, Executive Director, 2018 – 2019
Founded with the mission to break down the rural-urban divide and increase tolerance for grizzly bears.
- Montana Wilderness Association, Bozeman, MT
Internship, 2017
Testified to Montana state legislators about the importance of keeping public land in public hands.
- Forward Montana, Bozeman, MT
Internship, 2016

Registered young Montanans to vote and informed them how to stay active in voting.
Built political power and learned how to organize direct actions.

ACADEMIC LEADERSHIP AND MENTORING

- Student Representative on Faculty Search Committee, Yale School of the Environment
Participated with 3 faculty members to hire an economist and coordinated student engagement, December 2024 – January 2025
- Chair of Economics Student Interest Group, Yale School of the Environment
Recruited and hosted eleven student seminars and seven group dinners, 2023 - 2024
- Lead Student Coordinator for Western Community and Connect Center, Yale School of the Environment
Hosted 18 events for 600 Yale affiliates, created network opportunities with 10 faculty members/practitioners, 2023-2024
- Secretary of BIOMES, Yale School of the Environment
'Bridging Issues and Optimizing Constraints in Environmental Sciences', 2019 – 2021
Invite and host select speakers to Yale School of the Environment's flagship seminar series
- Chair of the Student Affairs Committee (SAC), Yale School of the Environment
Revised bylaws to define and fund affinity groups, required DEI training for student organizations funded by SAC, 2020 - 2021
- Peer Mentor, Yale School of the Environment
Mentor three first-year students, 2020 - 2021
- Honors College Mentor at Longfellow Elementary School, Montana State University
Mentored two fourth-grade boys in an age-appropriate engineering project, 2014

AWARDS AND HONORS

- Yale Environmental Data Science Initiative Small Grant, 2023
- Teaching Fellow Award for Excellence, Yale School of the Environment, 2023
- Yale Institute for Biospheric Studies Small Grant, 2023
- Spring Alumni Feature, Montana State University Economics Departments' Magazine, 2023. [Link.](#)
- Class of '21 Student Highlight, Yale School of the Environment, 2021. [Link.](#)
- Alumni Association Board Scholarship, Yale School of the Environment, 2020
- Schiff Fund for Wildlife, Habitat and Biodiversity Research, Yale School of the Environment, 2020
- Finalist for Wyss Graduate Scholars Program, 2020
- Merit Scholar, Yale School of the Environment, 2019
- Runner Up for Best Digital Reporting, International Association of Fire Fighters, 2019
- Outstanding Senior Award, Montana State University Economics Department, 2018. [Link.](#)
- President's List, Montana State University, Fall 2015, Spring 2016, Spring 2018

- Undergraduate Research Scholarship Award, Montana State Initiative for Regulation & Applied Economic Analysis, 2017, 2018
- Most Interesting Finding Award at DataFest, Montana State University Statistics Department, 2018
- Undergraduate Scholars Project Grant, Montana State University, 2018
- Dean's List, Montana State College of Letters and Science, Spring 2017 & Fall 2017 Montana State College of Engineering, Fall 2014 & Spring 2015
- Undergraduate Research Scholarship Award, Initiative for Regulation and Applied Economic Analysis at Montana State, 2017
- Septemviri Award, Montana State University Day of Student Recognition, 2017
- America Study Abroad Scholarship, University of Sheffield, 2016
- College of Agriculture Scholarship, Montana State College of Agriculture, 2016
- ZSTEM Engineering Scholarship, IM Flash Technologies, 2015
- Scholarship Athlete in Cross Country, Indoor, and Outdoor track, Montana State University, 2014-15
- Academic All Big Sky Conference, 2014 - 2015
- Montana University System Honors Scholarship, Montana's Governor's Office, 2014 – 2018
- Provost Scholarship, Montana State University, 2014 -2018

SELECT PODCASTS, LETTERS, OPINIONS, AND TESTIMONY

- “Andie — Letting Go of the Familiar to Make Room for What is Next”
What The Hell Do I Do Now?, December 2024
[Link to Podcast](#)
- “Promoting the Theory and Practice of Environmental Conservation with the Future Dr. Andie Creel”
Heartwood Podcast, October 2024
[Link to Podcast](#)
- “Let's Remain Optimistic in Search for Our Next President”
Letter to the Editor of the Bozeman Daily Chronicle, February 2020
- Testified at Montana State Senate Fish and Game Committee on SJ-7
Study resolution on the value and costs of wolves and grizzlies in Montana, April 2019
[Link to video of testimony](#)
Covered by the Billings Gazette
- “Open Space Reminds us to be Stewards of the Land”
Letter to the Editor of the Bozeman Daily Chronicle, May 2018
- Testified at Montana State House Natural Resources Committee on HJ-7
Resolution calling on Congress to release wilderness study areas across Montana, March 2017
[Link to published testimony as a blog post](#)
- “Return the Favor and Protect Public Lands”
Letter to the Editor of the Bozeman Daily Chronicle, January 2017

- “We Must Ask Ourselves, Where Will the Children Go?”
Opinion to the Editor of the Bozeman Daily Chronicle, October 2016

SELECTED SKILLS

- Computer Science:
 - Advanced: R, Python
 - Proficient: STATA, Java, C, Ruby, ML
 - Non-analytical languages: LaTeX, UML, HTML, CSS
 - Confident in managing and analyzing big datasets
 - Experienced with Amazon Web Services (AWS) including Amazon Elastic Compute Cloud (ec2)
 - Comfortable on the command line
- Advanced writing: Academic, Strategic Plans, Opinion

ATHLETIC EXPERIENCE

- Freeride Ski Coach, Big Sky, MT
Big Sky Ski Education Foundation, 2019
- Sponsored Freeride Skier, Bozeman, MT
Flylow, Coalition Snow, Giro, Hi-Line, 2018-2019
- Division I Athlete at Montana State University, Bozeman, MT
Cross Country, Indoor Track, Outdoor Track, 2014-2015