

Rachel Delorie

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CAREER OBJECTIVES AND CORE STRENGTHS

I am deeply committed to the conservation of the natural world, with a focus on addressing the challenges of climate change. I am pursuing a career in sustainability to make a positive, lasting impact on our planet. My key strengths include:

- Collaborative team player who works well with others
- Eager to learn, constantly acquiring new skills
- Passionate about helping others in both personal and professional contexts
- Hands-on experience conducting outdoor field work

TECHNICAL SKILLS

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| <ul style="list-style-type: none">• ESRI Products – ArcGIS Pro, ArcGIS Online, FieldMaps, Survey123• RStudio• Microsoft Suite – Word, Excel, Outlook | <ul style="list-style-type: none">• Part 107 sUAS Drone Pilot• Technical report writing• GitHub• Canva |
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EDUCATION

Professional Science Master's in Ecosystem Science and Sustainability
Colorado State University, Fort Collins, CO

Expected May 2027

Bachelor of Science in Ecosystem Science and Sustainability
Colorado State University, Fort Collins, CO
Relevant Coursework: Ecosystem Ecology, Quantitative Reasoning for Ecosystem Science, Geospatial Project Design and Analysis

Expected May 2026

PROFESSIONAL EXPERIENCE

System One Environmental (Formerly RPG Resources, LLC) – Denver, CO
Environmental Scientist I

February 2025 to Present

- Conduct natural resources regulatory compliance surveys and desktop assessments in accordance with the Migratory Bird Treaty Act, Endangered Species Act, and Colorado Parks and Wildlife guidelines
- Perform specialized biological surveys and habitat assessments, such as raptor and eagle nesting surveys, Migratory Bird Treaty Act nesting surveys, and burrowing owl surveys, to protect sensitive species during nesting seasons
- Contribute to the regulatory permit documents for oil and gas operations, including Topsoil Protection Plans, Light Mitigation Plans, and Dust Suppression Plans to be submitted to the Energy and Carbon Management Commission
- Utilize a variety of tools and datasets– ArcGIS, Survey123, Field Maps, Drone Deploy, USDA Plant Database, NHD, NWI, and others– for spatial analysis, vegetation inventories, and mapping of habitat and environmental constraints

Warner College of Natural Resources – Fort Collins, CO
Peer Mentor

January 2025 to Present

- Provide one-on-one individualized peer advising sessions to guide students through their academic planning and career-related decision-making
- Assist students in interpreting degree audits, aligning course selections with long-term goals, and evaluating potential majors
- Enhance students' career readiness through reviewing application materials and delivering tailored feedback for natural resource-related positions

Warner College of Natural Resources – Fort Collins, CO
Lead Career Services Student Ambassador

August 2023 to Present

- Promoted to lead role in June 2024

- Hold weekly office hours for career education such as resume, federal resume, and cover letter reviews, LinkedIn profile creation, and job searching strategies
- Create bi-weekly career newsletters using Mailchimp technology
- Use Canva to create marketing materials for social media and advertisements in campus buildings
- Present career topics to current students including Clifton Strengths, resumes, career resources, and networking

RELEVANT ACADEMIC EXPERIENCE

Colorado State University – Fort Collins, CO

Fall 2025

Geospatial Project Design and Analysis

- Design and implement a geospatial project from conception to completion, producing high-quality deliverables
- Clean and integrate spatial data from county government sources, non-government organizations, and national databases while applying best practices for data management and reproducibility
- Produce professional-quality maps and visualizations to effectively communicate project findings to technical and non-technical audiences

Colorado State University – Fort Collins, CO

Spring 2025

Quantitative Reasoning for Ecosystem Science

- Utilized open source programming applications, including RStudio, GitHub, and Quarto to conduct environmental data analysis
- Conducted data cleaning, refinement, and statistical analysis of complex ecological datasets
- Integrated geospatial data into quantitative analyses to address real-world ecosystem science challenges

Graduate Course Development – Fort Collins, CO

Spring 2024 and Fall 2024

Undergraduate Independent Research Advised by Dr. Stuart Cottrell

- Course Contributor to “Public Use in Protected Areas”, a graduate-level course focused on Protected Area Management
- Developed the module “Zoning for Protected Areas”, including teaching materials, assignments, and lectures
- Created a lesson in the module “Communication for Protected Areas” providing teaching materials and lectures
- Contributed to “Data Collection and Decision-Making for Protected Area Managers”

Study Abroad, Colorado State University – Exuma Islands, Bahamas

May 2023

Marine Ecotourism in The Bahamas

- Lived aboard a sailing vessel for 7 days in the Exuma Islands gaining first-hand insights into marine ecotourism
- Expanded my knowledge of marine ecosystems through daily snorkeling and marine species identification
- Developed a cross-cultural understanding by immersing in Bahamian culture and traditions

Shoals Marine Laboratory, The University of New Hampshire – Appledore Island, ME

June 2022

Ecology and the Marine Environment Course

- Exceeded in a 2-week immersive academic program at a marine research station in the Gulf of Maine
- Applied field and laboratory research techniques, including quadrat sampling and data analysis
- Utilized a sea table and microscopes to perform species identification
- Gained in-depth knowledge of intertidal ecosystem functions in the Gulf of Maine

CAMPUS INVOLVEMENT

Society of Ecological Restoration, Colorado State University Chapter – Fort Collins, CO

October 2022 to January 2025

Outreach Officer and Diversity, Equity, and Inclusion Officer

- Elected Outreach Officer for two consecutive years
- Coordinate club fundraising and volunteer opportunities with local companies and organizations
- Practiced restoration techniques such as weeding, propagation, and invasive species control
- Attended guest lectures to gain exposure to current restoration practices and issues

CERTIFICATIONS

Part 107 sUAS Drone Pilot – Federal Aviation Administration

Renewed Annually Since August 2025

SOCIAL / HUMANISTIC / BEHAVIORAL RESEARCH – CITI Program

Expires February 2028

EDF's Corporate Climate Action Essentials+ – Environmental Defense Fund

Completed February 2026

HONORS AND AWARDS

Outstanding Ecosystem Science and Sustainability Student - Warner College Council

May 2024 and May 2025