

Olivia Ann Gilpin

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Fort Collins, CO 80526

Education:

Colorado State University, GPA 3.772

Fort Collins, CO

Bachelor of Science, *Ecosystem Science and Sustainability*

August 2022-Graduating May '25

CSU Dean's List, Fall '22, Spring '23, Spring '24, & Fall '24

Study Abroad Program: *Marine Ecotourism, Bahamas*

May '24

Butler University, GPA 3.048

Indianapolis, IN

Bachelor of Liberal Arts, *Criminology*

August '11-May '15

Minor: *Anthropology*

Relevant Work Experience:

Front Range Fire & Forest Ecological Technician (40hrs/wk)

May '24-August '24

Colorado Forest Restoration Institute

Fort Collins, CO

- Collected and analyzed pre/post-treatment and pre/post-burn vegetation data using Avenza, compass, clinometer, and forestry tools, contributing to CSFS forest restoration and management projects.
- Operated and maintained 4WD vehicles, shared field equipment, and GPS navigation tools, ensuring fieldwork readiness, safety, and efficiency in remote and rugged environments.
- Conducted field sampling by navigating up to 5 miles daily, assessing fuel loads, monitoring understory vegetation, and collecting, identifying, and pressing plant specimens, improving ecological data accuracy.
- Adapted to dynamic schedules and changing crew assignments while demonstrating problem-solving, teamwork, and resilience in challenging terrain and adverse weather conditions.

Other Work Experience:

Insurance Coordinator/Front Office Administrator (40hrs/wk)

July '17-April '19; May '20-Present

Windsor Pediatric Dentistry

Windsor, CO

- Coordinate insurance benefits for 30-60 patients daily, processing claims with narratives and attachments to ensure timely reimbursements and accurate billing.
- Audit accounts by entering claims and payments, identifying and resolving discrepancies to maintain financial accuracy and compliance.
- Manage patient records by creating and updating charts, ensuring proper documentation, and streamlined access to critical information.
- Schedule and template dentist and front office staff workflows up to nine months in advance, optimizing efficiency in a high-volume pediatric dental practice.

Leadership & Community Engagement:

Vice President, Minoritized Genders in Natural Resources, *Member since Fall '24*

December '24 - Present

- Led and organized community-building events, such as the Women + Minoritized Genders Forest Congress and OneCanopy Volunteer event, fostering inclusivity and diversity within natural resources.
- Planned and tabled multiple outreach events while developing and submitting grant applications to secure funding, enhancing support and visibility for minoritized groups in the field.

Mentor, ENGAGE Scholars, *Warner College of Natural Resources*

Fall '23 - Present

- Mentored incoming students, providing guidance on academic and career goals while enhancing peer connections and supporting their success in sustainability studies.
- Mentored students through weekly meetings ranging from 3 to 10 hours, providing guidance, support, and academic development.

Member & Past Officer, Xi Sigma Pi Honor's Society- *Omicron Chapter*

February '23-Present

- Contributed to chapter activities and leadership initiatives, supporting academic excellence and fostering professional development within natural resources; served as an Officer in Spring '24 to drive community engagement and strategic planning.

Certifications/Skills:

- CPR/ADP Certified May 2023, valid until May 2025
- IRB Certification, valid until 2027
- Project Learning Tree, *Environmental Education Technique Training*, 2024
- Canvas Online Course Development, *NRRT632 Public Use, Recreation, and Tourism in Protected Areas*
 - Developed materials for weekly course modules, including lecture content, readings, and assignments, to ensure a comprehensive and engaging learning experience.
 - Recorded and edited weekly lecture videos, integrating slides and visual aids to enhance understanding of key concepts and provide an interactive online learning environment.
- Proficient in Microsoft Office Programs, Google Programs, Adobe Acrobat, Avenza Maps, Survey 123, Jamovi, Dentrrix, DentrrixHub, Lighthouse, Eaglesoft, Remote Lite, POS, CPS, and QSI
- GIS Software Proficiency: Basic knowledge of ArcGIS and QGIS
- Intermediate proficiency in RStudio, including data visualization, statistical analysis, and workflow automation using Quarto and GitHub
- High adaptable, advanced multitasker, thriving in a fast-paced environment, strong written and oral communication skills, highly organized, excels in time management, fosters teamwork environments, and incorporates critical and analytical thinking into daily work practices
- Holistic Yoga School 2018: RYT 200 & Reiki 2 Practitioner

Volunteering:

Volunteer, Beaver Restoration Project, *Rocky Mountain National Park*

Fall '23 & Fall '24

- Contributed with a team in a hands-on, 8-hour annual tree planting event, selecting optimal tree placements, preparing restoration sites, and planting over 100 trees to support beaver habitat restoration and ecosystem health.
- Collaborated with diverse volunteers to ensure effective labor distribution and achieve restoration goals, contributing to the long-term ecological recovery of the habitat.

Volunteer Yoga Instructor, ENGAGE Scholars, *Warner College of Natural Resource*

Fall '23, Spring '24, & Fall '24

- Led end-of-semester yoga sessions for ENGAGE Scholars to promote relaxation and mental well-being before finals, fostering a supportive and stress-free academic environment.

Relative Coursework:

Dendrology and Herbaceous Plant ID

- Identified tree and plant species using dichotomous keys and field guides.
- Applied botanical terminology to classify vegetation for conservation and restoration projects.

Public Communication in Natural Resources

- Developed skills in effectively conveying complex environmental issues to diverse audiences.
- Practiced conflict resolution and stakeholder engagement strategies in resource management.

Earth Systems Ecology

- Examined interactions between biological, geological, and atmospheric systems.
- Analyzed ecosystem processes to assess the impacts of climate change and land-use changes.

Global Climate Justice

- Explored environmental inequities and their effects on marginalized communities.
- Evaluated policies and strategies for climate adaptation and mitigation.

International Issues in Recreation and Tourism

- Assessed the ecological and social impacts of tourism on natural landscapes.
- Analyzed sustainable tourism models for balancing conservation and economic growth.

Intro to R

- Applied statistical programming to analyze environmental and ecological data.
- Created visualizations to interpret and communicate research findings effectively.

Marine Ecotourism - Bahamas

- Participated in experiential learning through snorkeling and coral reef observation to study marine biodiversity and assess conservation practices.
- Evaluated sustainable tourism initiatives in coastal ecosystems.

Information Management for Sustainability

- Utilized data management tools to track environmental resources and trends.
- Developed decision-making strategies based on sustainability metrics.

Sustainable Watersheds

- Assessed watershed health through hydrological and ecological indicators.
- Evaluated best management practices for water conservation and pollution reduction.

Applied Statistical Methods

- Conducted data analysis using statistical techniques for ecological research.
- Applied hypothesis testing and regression models to environmental datasets.

Ecology and Management of Weeds

- Identified invasive plant species and assessed their ecological impact.
- Developed integrated weed management strategies for ecosystem restoration.

Currently Enrolled:

Silviculture

- Apply forest management practices and techniques to maintain healthy forests, including thinning, planting, and regeneration strategies.
- Study the principles of forest ecology to manage forest ecosystems for timber production, wildlife habitat, and biodiversity conservation.

Quantitative Reasoning for Ecosystem Science

- Develop strong analytical skills by applying statistical methods to ecological data using RStudio, enhancing the ability to interpret and make decisions based on scientific data.
- Use quantitative reasoning to assess ecological processes and predict the impacts of various environmental management actions, while utilizing Quarto for dynamic report generation and GitHub for version control and collaborative analysis.

Practicing Sustainability

- Explore sustainable practices in land and resource management, focusing on applying systems thinking to address environmental challenges and collaborating directly with stakeholders to ensure community engagement and informed decision-making.
- Analyze case studies in sustainable development to assess the impact of policies and practices on ecosystems, society,

and the economy, while working with stakeholders to identify key challenges and potential solutions.

Coastal Environmental Ecology

- Study coastal ecosystems, focusing on the interactions between marine and terrestrial environments and their ecological dynamics.
- Gain hands-on experience in understanding the impacts of human activities on coastal zones, including pollution, habitat destruction, and conservation efforts.

Teaching Assistant in Conservation Issues in Natural Resources

- Assist in course delivery by helping students understand conservation principles and their application to natural resource management.
- Design and facilitate activities that enhance students' understanding of complex conservation issues and sustainable resource use.