



Kenyon Candidates

Agriculture, Environment and Natural Resources

A senior college student majoring in Biology with extensive molecular biology research experience. Seeking research positions in plant biology.

EDUCATION

Kenyon College | Gambier, OH May 2022

Bachelor of Arts, Biology (honors), Italian minor

- **Key coursework:** Genetic Analysis, Molecular Biology, Evolutionary Developmental Biology, Environmental Plant Physiology
- **Honors thesis:** “Probing the functions of *COP1-like* genes in seasonal reproductive regulation of *Physcomitrium patens*”.

EXPERIENCE

Biology Student Researcher | Kenyon College May 2019 – present

- Carries out independent research under mentorship of Professor Karen A. Hicks to explore evolution of reproductive regulation in land plants, using molecular biology techniques. Discovered partial conservation of the genetic pathways.
- Mentors new lab members in laboratory research.
- Presented research at conferences and campus-wide events
 - American Society of Plant Biologists, Plant Biology 2021
 - Kenyon College, Summer Science Scholar Presentations 2019 – 2021.
- Won two competitive fellowships to fund summer research:
 - Kenyon College, Summer Science Scholar Cascade Program 2019
 - American Society of Plant Biologists, Summer Undergraduate Research Fellowship 2020.

Teaching Assistant | Kenyon College

Department of Biology Jan 2020 – May 2021

- In Genetic Analysis, graded students’ daily homework & provided anonymous feedback.
- In Gene Manipulation, assisted students in experimental work alongside the professor.

Department of Modern Languages & Literature Sep 2021 – present

- Under mentorship of department faculty, works as a peer instructor in weekly practice sessions for students of “Intermediate Italian”.
- Provides students with an opportunity to strengthen their language skills in an immersive and low-pressure all-peer setting.

Animal Caretaker | Division of Natural Sciences, Kenyon College Nov 2019 – Jan 2021

- Maintained & performed wellness check on mice and zebrafish populations used by different biology & neuroscience research laboratories.
- Covered for the primary lab technician on weekends, holidays, and in emergencies.

SKILLS

Molecular biology research: wet lab (tissue culture, PCR, cloning, phenotyping), experimental design, data analysis.

Languages: Vietnamese – fluent
English – fluent
Italian – proficient.

Emma Coffman

Environmental Studies Major ♦ Class of 2022

coffman1@kenyon.edu ♦ 330-515-0540

PROFESSIONAL SUMMARY

Experienced environmental educator seeking opportunities for interpretation and natural science education. An original and enthusiastic teacher with a passion for making change through personal, meaningful interactions and creative expression. Proud 3-year student manager at the Brown Family Environmental Center alongside interpretative positions at the national and local levels.

JOB EXPERIENCE

Brown Family Environmental Center — Student Manager

August 2019 - Present

- Implemented public programs for Kenyon student engagement, including a Geocaching Hike, Haunted Hike Trail, a Stargazing program and various crafting events
- Contributed to our local community events, including activities for the Fall Harvest Festival, elementary school field trips, and a river clean up
- To accommodate COVID-19 restrictions, developed a virtual field trip for local schools
- Independently managed and organized our Geocaches
- Helped design and construct our ongoing Nature Play Trail Project

Preservation Parks of Delaware County — Seasonal Naturalist

May 2021-August 2021

- Led group programs for students and visitors, including a summer day camp Habitat Hike, a Wetland Exploration program, a Full Moon Hike, and a meteor shower campout
- Worked daily with ambassador animals (native turtles, salamanders, and frogs) in our nature center to provide hands-on encounters with guests
- performed general animal care tasks in our tanks and aviary, including feeding, water changing, filter cleaning, etc.
- Independently renovated and updated the exhibits at our Hogback Ridge Nature Center

National Park Service — Visitors Service Assistant at First Ladies National Historic Site

May 2020 - December 2020

- In the midst of the COVID-19 pandemic, effectively adjusted to work from home to provide creative content for our website and social media pages and a virtual First Ladies and Technology program
- Regularly interacted with visitors while on-site to provide improvisational experiences

SERVICE

Stark Parks and Quail Hollow Volunteer Association — Volunteer and Docent

May 2020 - Present

- Guided tours through the historic manor house and provided background for guests
- Aided in the restoration of the historic rock garden and helped to staff the gift shop
- Served on the event planning committee for annual tea fundraiser event

ADDITIONAL SKILLS

Certifications: National Association of Interpretation Certified Interpretive Guide

Software: Adobe Creative Suite, ArcMap, R Studio, Microsoft Office

Christopher I. Goodall

goodall1@kenyon.edu | 216-408-6520 | <https://www.linkedin.com/in/christopher-goodall-54163b1ab/>

EDUCATION

KENYON COLLEGE

- *Bachelor of Arts Candidate with Honors – Major: Biology; Minor: Chemistry – GPA: 3.74 – Merit List*

Gambier, Ohio
May 2022

OBJECTIVE

Seeking a research position in biochemistry or genetics to gain additional work experience prior to graduate studies. Interested in complex biological systems and looking to diversify my own understanding of biology and chemistry through others' experiences.

RESEARCH and TEACHING EXPERIENCE

FULBRIGHT SCHOLAR – CANADA

Mitacs Globalink researcher at the University of Lethbridge

Alberta, Canada
May–August 2021

- Collaborated with Dr. Elizabeth Schultz and her lab group to correlate defects in cell polarity with defects in the FL gene family and ARF mediated vesicle cycling in *Arabidopsis*.
- Executed two separate projects, the first involving root hair polarity and gravitropism and the second focused on stomatal distribution.

KENYON COLLEGE

Kenyon Summer Science Scholar

Gambier, Ohio
May – August 2020

- Designed and completed multiple projects implementing statistical models to distinguish trends in large spectroscopy-based datasets. Functional analysis included machine learning algorithms, Monte Carlo regression intervals, and LDA modeling.
- Goodall, C., Lovato, K., Green, L., Bickford, C., Hanson, D., Stinziano, J. “Latitudinal variations regarding photosynthetic performance in *Sphagnum* across a 3000 km transect” manuscript in preparation.

Kenyon Science Cascade Scholar

June – August 2019

- Selected as a Kenyon Summer Science Cascade Scholar to conduct research on the comparative ecophysiology of *Sphagnum*.
- Developed chlorophyll assays and characterized spectra (reflectance, transmittance, and absorbance) on two separate projects.

Biology Research Assistant

February 2019 – Present

- Serve as an undergraduate research assistant to Dr. Christopher Bickford in the plant physiology department; pursuing an honors thesis on characterizing bryophyte spectral properties and xanthophyll (light stress) pigment compositions.

JMOL Tutor

September 2021 – December 2021

- Taught the molecular biology lecture course to manipulate coordinate data files for biological molecules (.pdb).
- Successfully communicated the importance of concise data presentation across multiple levels of organization.

Bioinformatics Teaching Assistant

January 2020 – May 2020

- Demonstrated how to navigate NCBI's OMIM, genome, protein, databases, and to identify primary literature through PubMed.
- Tutored 20+ students throughout a series of biweekly small group meetings.

ACCOMPLISHMENTS AND SKILLS

- Eagle Scout.
- The Ohio State Plant Sciences Symposium July 2020 – 2nd Place Poster “Characterizing physiological diversity of light responses in *Sphagnum magellanicum*”
- **Communication and Software:** BlueGriffon, design of experiments (DoE), grant proposal writing, ImageJ, Jalview, Jmol, LaTeX, Maple, Matlab, Microsoft Office, Molecular Evolutionary Genetics Analysis (MEGA X), NCBI BLAST, OceanView, Python, R., standard operation procedure (SOP), writing.
- **Laboratory:** Microbiology (gram Stain, cell culture, differential media preparation, dilution, inoculation, Illumina DNA sequencing); molecular biology (RT-PCR, degenerate primer design, gel purification, DNA ligation, DNA minipreps, sequence analysis); plant physiology (isotope dendrochronology, gas exchange, stomatal conductance, water potential, chlorophyll fluorescence, optics, pigment extraction).
- **Instrumentation:** bright-field light microscopy, fluorometry, HPLC, Li-Cor, Qubit, Moticam, nanodrop, NMR, qPCR, Spectramax.

Jared Gray

Email: Gray2@kenyon.edu | Mobile: 970•497•0248

Professional Summary

Hard-working college student with an aptitude for the natural sciences and interests in ecology and evolution. Experienced in analyzing, collecting data, and creating scientific figures. Quick at picking up new techniques and excited to gain more real-world experience in the natural sciences.

Education

Kenyon College | Gambier, Ohio

Bachelor of Arts in Biology

Expected May 2022

- GPA: 3.91, Merit List member & STEM Scholar
 - Relevant Coursework: Evolution, Comparative Vertebrate Anatomy, Organic Chemistry I, Cell Biology, Earth System Sciences, Aquatic Systems Biology, Inorganic Chemistry, Calculus II & III, Chemistry and Biochemistry Seminar, Data Analysis, Animal Behavior

Research Experience

Sevilleta REU Program, Univ. of New Mexico | Sevilleta NWR, New Mexico June 2021 - August 2021

- The 2021 Sevilleta Research Experience for Undergraduates (REU) Program accepted ten applicants to conduct research on the Sevilleta National Wildlife Refuge for ten weeks
- Studied bee diversity, assemblage, and abundance across five different ecosystems types and compared the sampling biases of funnel traps and netting
- Captured bees using funnel traps and nets and identified them down to genus using a microscope
- Found 40 instances where a genus was caught exclusively through one method, suggesting only using one method is insufficient in describing the overall diversity at the Sevilleta NWR

Dr. Iris Levin's Ecology Laboratory, Kenyon College | Gambier, Ohio January 2020 - May 2021

- Analyzed the geographic distribution of plumage color in *Hirundo rustica erythrogaster* using photospectrometry

Introduction to Experimental Biology, Kenyon College | Gambier, Ohio August 2018 - May 2019

- Designed an experiment to determine how the rate at which *Alliaria petiolata* produced cyanogenic glycosides in response to simulated herbivory using cyanide analysis and spectrophotometry on over 40 leaf tissue samples
- Discovered that the leaf cyanide concentration decreased over the first six hours after herbivory and then slowly increased over the next 72 hours

Work Experience

Biology Lab Teacher's Assistant, Kenyon College | Gambier, Ohio August 2019 - December 2019

- Ensured lab equipment was being used safely and troubleshoot
- Helped students create figures and perform statistical analyses in R studio

Activities

Volunteer, Center of Hope | Bladensburg, Ohio January 2021 - present

- Restock shelves, sort through old clothes, and help load groceries into cars and horse carriages

Math and Science Volunteer, Wiggin Street Elementary | Gambier, Ohio January 2019 - present

- Lead small groups through worksheets/projects, grade worksheets, and help keep class focused

Awards

Princeton EEB Scholars 2021 Program Honorable Mention

August 2021

ANSLEY GRIDER

205-394-9486 | grider1@kenyon.edu

Environmental scientist with two years of biogeochemistry research experience studying atmospheric deposition. I would like to pursue research opportunities related to environmental pollutants, specifically the effects of pollutants on ecosystem health. I want to work on solution-based research that goes beyond quantitative analysis by taking the research a step further, producing results that will inform policy and management in ways that strengthen human and ecosystem health.

Education

Kenyon College | Gambier, OH

B.A. in Biology with Honors | Concentration: Environmental Studies | Expected May 2022

Academic Honors

- Kenyon College STEM scholarship recipient -- funded by the National Science Foundation
- Merit List Scholar -- all semesters
- Andrew J. Bobick Kenyon Summer Science Scholar

Research and Environmental Experience

Heindel Biogeochemistry Lab | Gambier, OH | Fall 2020 - Present

- **Honors Thesis Research:** Conducted research on atmospheric nitrogen deposition and dust flux along a rural/agricultural to urban gradient in Ohio; Also collected vegetation and soil samples to assess possible ecosystem impacts of nitrogen deposition
- **AGU Poster Presentation:** Presented honors thesis research at the American Geophysical Union (AGU) Fall Conference 2021
- **Examined the effect of atmospheric particulate matter on rainwater chemistry in Ohio:** Combined aerosol data from the Interagency Monitoring of Protected Visual Environments (IMPROVE) with rainwater data from the National Atmospheric Deposition Program (NADP) to study the effects of particulate matter on rainwater ionic composition
- **Data Project on the 40-Year Trend of Nitrogen Deposition in Ohio:** Analyzed atmospheric nitrogen deposition loads and trends across five sites in Ohio from 1979 to 2019 using data from the National Atmospheric Deposition Program (NADP)

Animal Physiology Lab, Teaching Assistant | Gambier, OH | Spring 2021

- Selected to aid students in Kenyon's Animal Physiology Lab with lab procedures, scientific writing, and data analysis and visualization

Kenyon Writing Center, Liaison | Gambier, OH | Fall 2019 - Present

- Appointed to mentor students in writing for biology courses and labs at Kenyon College

Additional Experience

Lyceum Magazine, Media Assistant & Design Team | Gambier, Ohio | Fall 2020 - Present

- Assisted with the design and publication of a scientific magazine that focuses on the intersection between the arts and sciences; Designed the Lyceum website and worked to maintain the website with current content

Skills

- RStudio
- QGIS
- Precipitation and Water Chemistry
- Excel
- Stella Professional
- Research and Organization
- Scientific Writing
- Outdoor Field Work
- Adobe Creative Suite

Henry Hirschfeld

(413)-695-6776

hirschfeld1@kenyon.edu

Passionate about language education, community building, and sustainable food systems. Experienced Spanish teacher and translator, youth mentor, and farm worker. Interested in positions related to education, agriculture, or non-profit service.

EDUCATION Kenyon College | Gambier, Ohio Expected May 2022
Bachelor of Arts in Spanish
Concentrations: Environmental Studies, Latino/a Studies

- Awards: Kenyon College Merit List Fall 2017-Spring 2021.

EXPERIENCE Kenyon College Office of Residential Life | Gambier, Ohio August 2020-present
Community Advisor

- Foster a safe and inclusive environment for residents of all identities by enforcing policy, hosting hall forums, and offering guidance individually.
- Support a group of 30 first-year students by introducing campus resources, explaining community expectations, and encouraging participation in extracurricular activities.
- Organize fun and educational events, such as campus scavenger hunts, trivia, and movie nights to build community within the residence hall.

Kenyon College Summer Scholars | Gambier, Ohio May 2021-August 2021
Spanish-English Translator

- Translated a 189-page (70,000-word) collection of historical documents and accompanying literary analyses, written by Dr. Clara Román-Odio:
<https://espiritistaspr.kenyoncip.org/en/>
- Exchanged constructive feedback on a regular basis with the author in order to match translations with her expectations.
- Converted research into accessible material for a broad, non-academic audience.

Kenyon College Dept. of Modern Languages | Gambier, Ohio September 2019-May 2020
Apprentice Teacher

- Taught daily, hour long introductory Spanish classes for 8-10 college students, following my supervisor's plans and supplementing with my own activities.
- Fostered an inclusive and supportive learning environment by encouraging participation, celebrating successes, and making the material relevant.

Five Rivers Conservation Trust | Concord, New Hampshire October 2018-June 2019
Conservation Volunteer

- Drafted summaries of town master plans to highlight conservation goals.
- Designed posters, advertisements, and mailings with a team of 2-3 volunteers.
- Planned and organized member events such as property tours and film screenings.

The Mountain School of Milton Academy | Vershire, Vermont May 2018-August 2018
Farm Crew Member

- Planted, weeded, and harvested a variety of crops on a 10-acre organic school farm.
- Cared for, herded, and butchered farm animals including chicken, sheep, and cows.
- Prepped and stored food products for consumption in a commercial kitchen.

KENDALL LLOYD

Brooklyn, NY

Email

lloyd1@kenyon.edu

Phone

(804) 466-0933

Creative problem solver with experience coordinating events and a passion for advancing social and environmental justice. Excels when working with others or individually and enjoys tackling new challenges. Seeking employment in the non-profit realm, social work, advocacy, or park management.

EDUCATION

Kenyon College

Bachelor of Arts, Sociology

Graduated: Dec. 2021

GPA: 3.51

Concentration: Women's and Gender Studies

Course Highlights: Community Based Research, Environmental Sociology, Gender Stratification, Environmental Economics, and Feminist Theory

EXPERIENCE

Co-President - Kenyon Sunrise Hub

Jan. 2021 - Dec. 2021

Gambier, OH

- Initiated recognition of Sunrise Hub, a national environmental activism group, as official campus organization by drafting constitution, networking with faculty and collaborating with student leadership board
- Organized 8 teach-ins, 2 fundraisers, clothing swap, and rally for public transit funding at state capital over two semesters
- Led weekly meetings with set agenda, facilitated brainstorming sessions for future events, assessed necessary next steps, secured funding and worked collectively to follow through
- Ensured that tasks delegated to other members on executive board were completed
- Kept abreast of campaigns in national Sunrise Movement, attended meetings every other week with Sunrise Ohio coalition, conveyed information from these meetings to rest of the hub members and sought out mentoring from more established members from other hubs

Bartender - Tappahannock Moose Lodge

Jan. 2022

Tappahannock, VA

Jun. 2021 - Aug. 2021

- Served drinks, placed customers' food orders, kept track of bar tabs, and restocked items
- Operated cash register, two additional cash drawers, and balanced drawers nightly
- Learned regulars' names and favorite drinks to improve their experience

Student Manager - Kenyon's Brown Family Environmental Center

Feb. 2021 - May 2021

Gambier, OH

- Created, organized, and executed monthly events to encourage students to engage with the college's outdoor space
- Collaborated with other BFEC student managers on several projects
- Helped create and construct a nature trail for children to experience play with natural materials
- Wrote article for newsletter

Cashier/Crew Member - Chipotle

Aug. 2020 - Jan. 2021

Cincinnati, OH

- Prioritized between operating cash register, answering phones, maintaining clean dining area and assisting customers with online orders in a fast paced environment
- Firmly enforced mask policy, while remaining professional and polite to customers
- Rectified any issues customers encountered with their orders

Jun. 2019 - Aug. 2019

Camp Counselor - Shrinemont Camps

Jun. 2018 - Aug. 2018

Orkney Springs, VA

- Organized and led programming for 8-15 year old campers to enhance bonds between campers and engagement with natural surroundings
- Created alternative activities when interruptions to planned programming arose

Zoë Packel

packel1@kenyon.edu | 973-270-7568

SUMMARY

Recent college graduate seeking research position or opportunities in the nonprofit sector ahead of plans to attend graduate school in history. Skilled in writing, with strong background in archival and curatorial work, and interpersonal and grassroots organizing. Passionate about environmental advocacy, labor rights, and finding ways to support disadvantaged communities.

EDUCATION

Bachelor of Arts, History

Expected Graduation: May 2022

Kenyon College, Gambier, OH

GPA: 3.9

Honors Thesis: "The Seeds of Sovereignty: Contact, Ecology, and Agency in Early Haudenosaunee America"

- Awards: Kenyon College History Department White Scholarship (2020-21), Merit List (every semester).

EXPERIENCE

Kenyon Special Collections and Archives, Gambier, OH

August 2019-Present

Student Manager

- Worked on projects involving transcription, cataloging, and publication of college archival materials to Digital Kenyon
- Completed research requests by locating and scanning material for college and outside patrons
- Located and shelved delicate special collections and archival material in storage
- Cataloged special collections and archival accessions using PastPerfect Museum Software
- Trained and supervised new employees
- Research and curatorial contributions to the following upcoming exhibitions, displayed in Chalmers Library: *History of Kenyon Libraries* (Fall 2021), *Selections from the Bulmash Family Holocaust Collection* (Spring 2022).

Kenyon College Summer Scholars Program, Gambier, OH

June-August 2021

Student Researcher

- Developed and worked on a project entitled "*The Three Sisters: Peoples, Plants, and Agricultural Revolution in North America*" that compiled primary sources and examined Indigenous agriculture and the role of ecological exchange in shaping interactions between Indigenous groups and colonial actors during the early contact period.
- Obtained grant support from the Ohio Five CODEX Summer Institute which allowed use of arcGIS and other digital spatial technologies.

RESEARCH INTERESTS

- North American Indigenous and Colonial History
- Environmental History
- Labor and Union History
- Digital Humanities

Hadley Seymour

seymour1@kenyon.edu | 847-471-1366

Passionate economics and environmental studies student with problem-solving experience in federal and institutional settings. Seeking opportunities to apply critical thinking skills and assist companies in reaching their environmental and social governance (ESG) goals.

EDUCATION

Kenyon College **Gambier, Ohio**
Bachelor of Arts, Economics and Environmental Studies *Expected Graduation: May 2022*
• *Awards:* Merit List Scholar for all completed semesters, 3.76 GPA

EXPERIENCE

Kenyon College Office of Green Initiatives **Gambier, Ohio**
Intern *January 2019 - Present*
• Oversaw Kenyon's GHG reporting in two programs, instructed three new interns on this task
• Consulted with 16 faculties in varying offices to obtain GHG data for carbon reports
• Created a submission platform to streamline responses from faculty into two reporting databases
• Assisted the President with the sustainability strategic plan and carbon neutrality efforts as a member of the Kenyon Sustainability Steering Committee
• Managed registration and logistics for 160 students and faculties from seven different colleges during 2019 and 2020 Community for Climate conference..

Lake Forest Open Lands Association **Lake Forest, Illinois**
Restoration Ecology Intern *June 2021 - August 2021*
• Assisted in the stewardship of six preserves totaling 800 acres with varying ecosystems
• Presented to the Board of Directors on my research project at the end of the internship
• Assessed land-use changes for the land trust team using GIS software

U.S Forest Service **Washington, District of Columbia**
Virtual Intern *September 2020 - May 2021*
• Consulted on the productivity of the threatened, endangered, and sensitive species agency
• Surveyed 20 leaders on the national, regional, district, and forest levels with follow-up phone interviews, analyzed survey results of 75 responses, and created a proposal for leadership on how to improve the current management strategies for their agency

Kenyon College Environmental Science Department **Gambier, Ohio**
Environmental Lab Teacher's Assistant *November 2020 - May 2021*
• Prepared and handled the transportation of lab materials to and from sites
• Served as a resource for students during and outside of the scheduled meeting time

National Parks Service **Bar Harbor, Maine**
Volunteer *September 2020 - December 2020*
• Completed over 100 hours of volunteer work for the vegetation and education teams
• Assisted the vegetation team with projects such as revegetation and invasive species treatment
• Worked with ArcGIS to track and analyze invasive plant growth and travel. Used the program to predict other potential areas where invasive species might reside
• Mastery of invasive plant identification in summer, fall, and winter appearances
• Wrote articles for elementary students on matters relating to environmental sciences and park knowledge

LEADERSHIP POSITIONS

Environmental Campus Organization (ECO) *Co-president, Social Chair* *August 2019-Present*
Kenyon College Outdoors Club *Vice President* *January 2020-August 2021*
Kenyon College First-Year Orientation *Panelist* *August 2021*

Skills: Proficient in Excel, Rstudio, Adobe Spark, Lightroom, and Photoshop