

ENVIRONMENTAL SCIENCE AND STUDIES NEWSLETTER



DIBS SAYS "HAPPY NEW YEAR!"

IMPORTANT DATES:

**WEDNESDAY-FRIDAY,
JANUARY 3-5**
ECO DEPAUL'S PLASTIC BAG DRIVE

FRIDAY, JANUARY 5
WALK AND TALK WITH GLOBAL
DEPAUL

SATURDAY, JANUARY 6
WINTER 2024 QUARTER BEGINS

ENV STUDENT HANDBOOK

GREEN FILM CONTEST SEEKS SUBMISSIONS!

SUBMIT YOUR ENTRY BY JUNE 25, 2024

THE ONE EARTH YOUNG FILMMAKERS CONTEST (NON-PROFIT) IS FREE FOR STUDENTS TO ENTER, AND PRIZES GO UP TO \$1,000 IN SCHOLARSHIPS, PLUS MATCHING GIFTS. THE CONTEST STARTED IN OAK PARK BUT IS NOW INTERNATIONAL. STUDENTS FROM UNIVERSITIES ALL OVER CHICAGO HAVE WON IN THE PAST INCLUDING DEPAUL!

ANYONE AGES 8-25 CAN ENTER THE CONTEST TO CREATE A SHORT ENVIRONMENTAL FILM THAT INSPIRES CHANGE AND ACTION. LEARN MORE ABOUT THIS GREAT OPPORTUNITY AT: [HTTPS://WWW.ONEEARTHFILMFEST.ORG/CONTEST-DETAILS](https://www.oneearthfilmfest.org/contest-details)

YOUNG FILMMAKERS CONTEST 2024
Submit Your Film

WIN UP TO \$1,000 SCHOLARSHIPS and cash prizes. Plus, \$1,000 matching gifts for sustainability organizations of your choice.

Third grade through post grad with cash prizes at every level: elementary school, middle school, high school, college and post grad. **Create a short environmental film** that inspires change or action. **Win a premiere screening** at the Gene Siskel Film Center in September 2024 and/or at the One Earth Film Festival in March 2024. **Show off your talents.** Make your resume and/or college application sparkle with your award. **Filmmaking workshops.** Attend our **Online Academy** or in person youth workshops.

FOR DETAILS & QUESTIONS GO TO [oneearthfilmfest.org/contest-details](https://www.oneearthfilmfest.org/contest-details)

DISCLAIMER: Distribution of information by a community group in accordance with a school district's policy does not imply, directly or indirectly, that the group's programs, events and/or services are sanctioned, sponsored or endorsed by the district, the Board of Education or the superintendent.

one earth
YOUNG FILMMAKERS
CONTEST

Submissions accepted now through June 25, 2024
ONE EARTH FILM FESTIVAL • [ONEEARTHFILMFEST.ORG](https://www.oneearthfilmfest.org)



INSIGHT INTO THE GLOBAL LEARNING EXPERIENCE PROJECT!

AN EXCITING AND INTERESTING OPPORTUNITY FROM THE ENV DEPARTMENT

DURING AUTUMN 2022 AND SPRING 2023, STUDENTS IN TWO ENVIRONMENTAL SCIENCE COURSES (ENV 204 WITH INSTRUCTOR MARGARET WORKMAN AND ENV 202 WITH INSTRUCTOR ISIDORE UDOH) PARTICIPATED IN A GLOBAL LEARNING EXPERIENCE (GLE) PROJECT WITH STUDENTS FROM THE UNIVERSITY OF CALABAR IN NIGERIA. THIS COLLABORATIVE PROJECT WAS AN EDUCATIONAL AND ARTISTIC FORUM FOR SHARING STORIES ABOUT PERSONAL AND COMMUNITY EXPERIENCES AND RESPONSES TO CLIMATE CHANGE. SHARING CLIMATE STORIES HELP BUILD AN INCLUSIVE AND EFFECTIVE MOVEMENT TO CONFRONT THE CLIMATE CRISIS. IN THIS PROJECT, STUDENTS RECORDED AND SHARED THEIR PERSONAL CLIMATE STORIES. IN ADDITION, THEY CONDUCTED INTERVIEWS OF PEOPLE WITHIN THEIR LOCAL ENVIRONMENTS AND NETWORKS TO RECORD THEIR PERSONAL ORAL HISTORIES OF EXPERIENCE WITH CLIMATE CHANGE IMPACTS. A SHORT FILM THAT COMPARED THE EXPERIENCES WITH CLIMATE CHANGE IMPACTS BETWEEN THE TWO COUNTRIES WAS CREATED.

GLOBAL LEARNING EXPERIENCE PROJECTS HELP PREPARE STUDENTS TO BECOME GLOBAL CITIZENS WHO WORK TOGETHER TO CREATE SOLUTIONS. GLEs ARE A TECHNOLOGY-ENABLED LEARNING APPROACH EMBEDDED WITHIN EXISTING DEPAUL COURSES. THIS WAS THE SECOND GLE PROJECT THESE INSTRUCTORS HAVE CONDUCTED WITH UNIVERSITIES IN NIGERIA. IN THE FIRST PROJECT, STUDENTS WORKED TOGETHER TO MONITOR IMPACTS OF FOSSIL FUELS ON THEIR COMMUNITIES.

SEE SOME AWESOME PICTURES FROM THIS EXPERIENCE ABOVE AND ON THE NEXT PAGE!



Pictures from both the student classes here at DePaul and at the University of Calabar in Nigeria



Snippets from the interviews students participated in!



STAFF SPOTLIGHT: TY FERGUSON

ENV'S NEW ADMINISTRATIVE ASSISTANT

Hi Everyone!

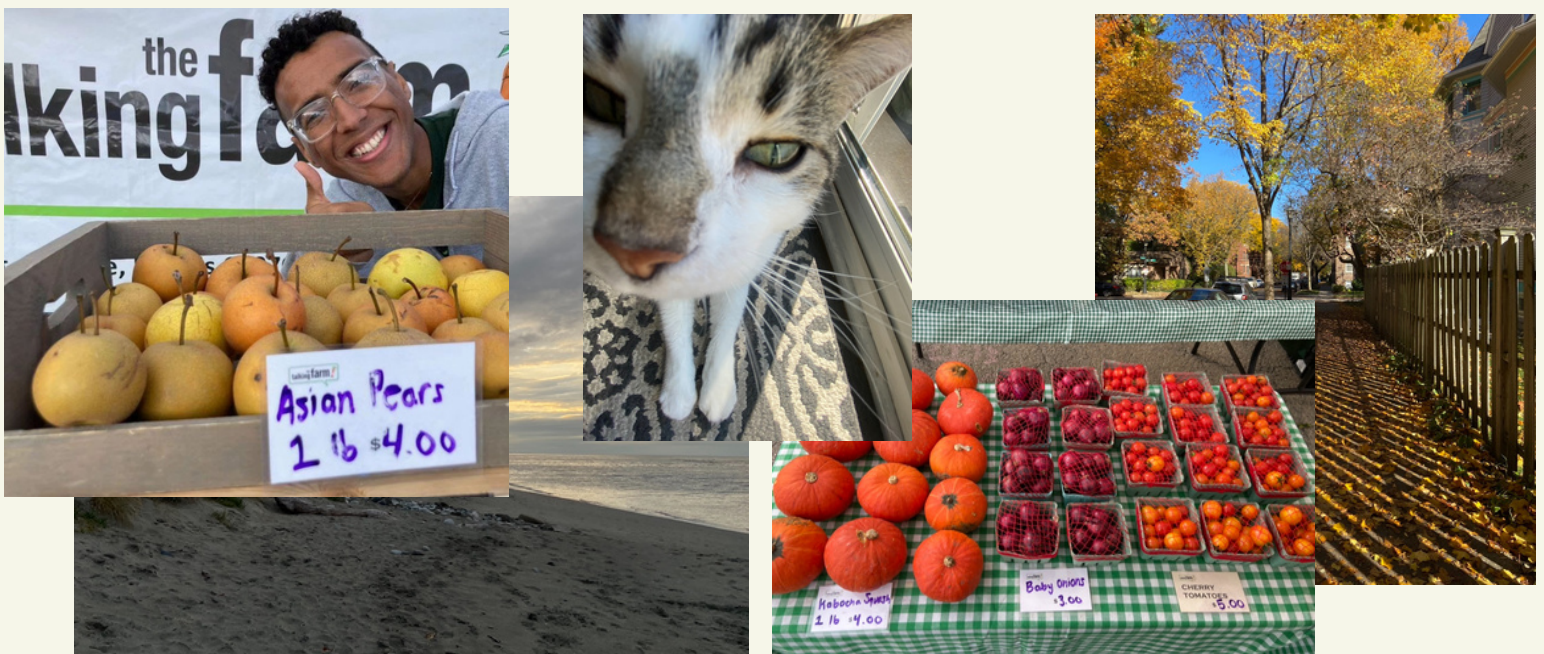
My name is Ty Ferguson, and I am the new ENV Administrative Assistant! I wanted to take advantage of this Staff Spotlight and introduce myself to everyone far and wide across the department. Some quick facts about me are that I graduated from Loyola University with degrees in Environmental Science and Studies (I also minored in Anthropology because I found it wildly interesting). In school I dipped my toes in a variety of different areas of environmentalism. I spent time in a biodiesel lab working on converting used vegetable oil into useable fuel and a ton of different products like soap! But I would say my main interest was in the world of urban agriculture.

So much so that after graduation I worked for The Talking Farm close by in Skokie, IL where I was their Farmer's Market Coordinator. I had such a great time working on the farm and getting the chance to lead interns and connect with the broader Chicagoland community with our produce! I still love urban ag but am beyond excited to be here at DePaul. The ENV department, students, and faculty/staff are so innovative and fantastic that I cannot wait to get to work.

You'll find me in McGowan South 203 with my door (and email) always open if anyone has any questions! I will also be taking over the newsletter so if you have any stories or events or anything you want showcased don't be afraid to send it to me!

I am so stoked to be here and will get to know everyone very soon as classes start next week! Now, enjoy a little photo collage of my life.

-Ty Ferguson





THE CENTER for TREE SCIENCE

Research Experiences for Undergraduates (REU)

Integrated Tree Science for the Anthropocene
Summer 2024

Experience careers that explore solutions for climate change, biodiversity loss, natural resources management, and urban life at one of the nation's only research centers focused on trees.

CONDUCT RESEARCH IN TREE SCIENCE

- Discover new career opportunities.
- Learn from a PhD-level mentor and become incorporated into a working scientific lab group.
- Gain scientific experience and skills you can use anywhere.
- Choose from field, lab, and computer-focused internships.

RESEARCH AREAS

- Evolutionary biology
- Ecosystems ecology
- Conservation biology
- Horticulture science
- Plant health care and development
- Botany/plant biology

TEN-WEEK RESEARCH PROGRAM INCLUDES:

- \$6,250 stipend funded by the National Science Foundation.
- Housing, research supplies, and travel.
- Workshops in science communication and professional development.

DATES AND APPLICATION

Program Dates: May 28 through August 2, 2024
Application Dates: December 4, 2023 through February 2, 2024
Program and Application Information: <https://mortonarb.org/reu>

WHO SHOULD APPLY:

Students who are interested in biology, environmental science, genetics, chemistry, ecology, botany, natural resources, horticulture science, and engineering. We encourage applicants from colleges and universities where research opportunities are limited, groups traditionally underrepresented in STEM programs, first- and second-year undergraduates, persons with disabilities, and veterans.

LOCATION
 The Morton Arboretum
 4100 Illinois Route 53, Lisle, Illinois
 25 miles west of Chicago, Illinois




For more information and to learn about other opportunities in the Integrated Mentorship Program at The Morton Arboretum, visit the website, [email letsquam@mortonarb.org](mailto:letsquam@mortonarb.org), or call 630.775.2495.

NOW HIRING: **BOTTOMLAND FOREST BIOLOGICAL TECHNICIANS**

OVERVIEW:

The Audubon Center at Riverlands located in West Alton, MO is seeking three seasonal Biological Technician (all part-time with one lead role) to assist in our long-term bottomland forest bird surveys for the Upper Mississippi River system. Biological Technicians will assist in conducting avian point-count surveys on islands and conservation areas along the Mississippi River. Housing is not provided. Applicants will be accepted until the position is filled.

PAID POSITIONS:

- Lead Biological Technician \$18/hr (one position)
- Biological Technicians \$15/hr (two positions available)

OPPORTUNITIES:

- Boat driving and trailering (optional)
- Gain experience in bird ID
- Gain great field work experience!

TIMELINE:

Position runs from May 1st to July 31st
 *Dates may vary due to river conditions and position requirements. Start date flexible to accommodate end of the school semester.



QUESTIONS?

Contact Conservation Science Manager
 Tara Hohman
 (tara.hohman@audubon.org)

APPLY: audubon.org/careers

THE MORTON ARBORETUM - SUMMER REU PROGRAM

The Center for Tree Science Research Experiences for Undergraduates (REU) program is now accepting applications for summer 2024. The program includes a \$6,250 stipend, covers housing and travel expenses, and runs from May 28 to August 2, 2024. The program uses trees as model systems to investigate questions related to evolution, ecology, conservation, and management in natural and built environments.

APPLICATIONS ARE DUE FEBRUARY 2, 2024 (11:59 PM ET).

-APPLY NOW-

NATIONAL AUDUBON SOCIETY - SUMMER TECHNICIAN POSITION

The National Audubon Society is a nonprofit conservation organization that protects birds and the places they need today and tomorrow. We work throughout the Americas towards a future where birds thrive because Audubon is a powerful, diverse, and ever-growing force for conservation. Audubon has more than 700 staff working across the hemisphere and more than 1.5 million active supporters.

They are looking for [Lead Survey Technicians](#) (\$18/hr) and [Team Survey Technicians](#) (\$15/hr) with an estimated summer employment from May 1 to July 31 (dates may vary due to river conditions).

POSITIONS OPEN UNTIL FILLED, LEARN MORE [HERE](#).

SUMMER UNDERGRAD INTERN - CHICAGO BOTANIC GARDEN

We provide budding scientists opportunities to participate in all stages of research and build science communication skills to grow personally and professionally.

Participants will be trained in all stages of research, from hypothesis formulation through experimental design, data collection, analysis, and ultimately presentation of results through a public poster and video symposium. The program encourages interns to participate in a near-peer mentoring network which includes high schoolers to Ph.D. level scientists. Additionally, there may be opportunities to present at national scientific meetings or publish findings in peer-reviewed journals.

Learn more [HERE](#)

APPLICATIONS ARE DUE FEBRUARY 9, 2024

GARDEN CLUB OF AMERICA SCHOLARSHIPS

The Garden Club of America is a nonprofit national organization composed of 199 member garden clubs with almost 18,000 club members who devote energy and expertise to projects in their communities and across the United States. Founded in 1913, the GCA is a leader in horticulture, conservation, creative arts, historic preservation, and environmental protection.

The purpose of The Garden Club of America is to stimulate the knowledge and love of gardening, to share the advantages of association by means of educational meetings, conferences, correspondence, and publications, and to restore, improve, and protect the quality of the environment through educational programs and action in the fields of conservation and civic improvement.

You can find specific scholarships for a variety of different subject areas! Both graduate and undergraduate opportunities available.

Learn more [HERE](#)

FELLOWSHIP & INTERNSHIP POSITION - CITIZENS' CLIMATE LOBBY

CCL is a national nonprofit organization that builds grassroots support for climate legislation. I'm reaching out today to share some opportunities that may be of interest to your students and learn how we can better support your institution.

We are currently recruiting students and recent graduates to join our team as interns or fellows. We have opportunities with a variety of different departments that may appeal to students across many disciplines. These experiences provide valuable work experience, networking opportunities, and may include academic or financial benefits.

Learn more [HERE](#)

-APPLICATION DEADLINE FEBRUARY 15, 2024-



Citizens' Climate Lobby

FREE CLIMATE ADVOCACY CERTIFICATE PROGRAM- CITIZENS' CLIMATE LOBBY

For students looking to deepen their learning outside of the classroom, we offer a free Climate Advocacy Certificate Program each semester. This provides valuable transferable skills in advocacy, climate science, and communication over the course of a 15-week remote course. Students interested in enrolling in this spring semester's program should sign up by **January 7th, 2024**.

Learn more [HERE](#)



GIS INTERN - CLARKE

Are you passionate about GIS and desire to make a difference in your community? Clarke, a pioneering company committed to sustainable solutions for mosquito management, is seeking a dynamic GIS Intern to join our team! This is not just a job; it is an opportunity to be part of a company that values innovation, collaboration, and creating a positive environmental impact.

Flexible position located in Roselle, IL. \$18-20/hr, M-F, 6 month position with possible extension. Shared by a previous DePaul Alum!

Learn more [HERE](#)

LIFE SCIENTIST / ENVIRONMENTAL ENGINEER / PHYSICAL SCIENTIST (ON-SCENE COORDINATOR) -EPA

For graduating seniors and recent grads!

The Environmental Protection Agency is looking for someone to participate in different assignments and projects like waste management, data collection, and investigations.

Chicago based, full time position with an expected salary of \$54-87,000/ yr. **Applications due January 10th, 2024.**

Learn more [HERE](#)

PAID SUMMER INTERNSHIP - PURDUE

The Rosen Center for Advanced Computing (RCAC) CI-STEP student program is seeking students for our Anvil Summer '24 Research Experiences for Undergraduates (REU) paid internship program.

This program aims to develop the next-generation workforce in advanced computing and cyberinfrastructure technologies.

Four different internship projects offered for the Summer of 2024 where you'll work on a team and stay on site in West Lafayette.

Any major or background encouraged to apply!

Learn more [HERE](#)



The Rosen Center for Advanced Computing (RCAC) CI-STEP student program is seeking students for our Anvil Summer '24 Research Experiences for Undergraduates (REU) paid internship program. This program aims to develop the next-generation workforce in advanced computing and cyberinfrastructure technologies. Anvil Summer '24 REU is a fully immersive program, offering students from diverse backgrounds the opportunity to gain the knowledge and skills necessary to build and support advanced research computing systems and scientific applications. Modeled after the RCAC's decade-long successful student apprenticeship program, the REU students will learn by doing, working on the National Science Foundation-funded Anvil system in a team environment all while being mentored by cyberinfrastructure professionals.

Internship Projects

- Streamlined Software: Automating user-requested software deployment on Anvil using agile technologies**
The REU will work on creating web-based tools to automate Spack configuration, software deployment, and testing.
- Unlocking the Impact of Data: The Power of the Dashboard**
In this project, you will break down barriers to data, making complex data more accessible, and transforming the way we handle user resource allocation and code performance information on Anvil.
- Gromacs Gateway: Creating User-friendly Molecular Simulations Online**
This project sets an eye toward integrating Gromacs seamlessly with the Anvil OOD portal to start the process of creating a one-stop-shop for Anvil users' Gromacs needs.
- AI-Powered Operational Data Analytics: Enhancing User Experience on Anvil**
Using AI and machine learning, the REU students will build a replicable and explainable model to predict job queue times and integrate it into Anvil's job submission functions.

COMMUNITY STEWARDSHIP PROGRAM - THE NATURE CONSERVANCY

This role would be working directly with the CSP Manager to support the volunteer stewards that care for park district natural areas and the more than 4000 volunteers that attend workdays every year. The work itself is varied and involves everything from ensuring volunteers have necessary supplies, to helping facilitate workdays, to engaging with the public, to battling invasive species, and everything in between. In short, this person is both a behind the scenes wizard ensuring smooth operations and an ambassador for Chicago's natural areas and the communities and people that care for them.

This is a part-time (20 hours/week), permanent position at \$21.68/hr. It will be another shared role between TNC and the Chicago Park District and reports to the CSP Manager. The application closes on **January 19, 2024 at 11:59 PM EST.**

Learn more [HERE](#)



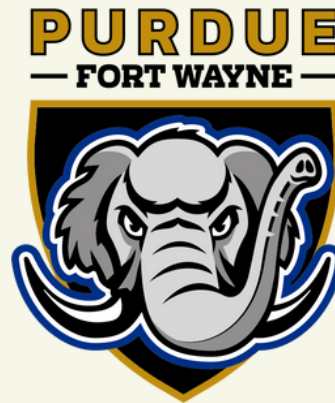
NATURAL AREA CREW - CHICAGO PARK DISTRICT

This is a full-time year round position. Job duties are focused on restoration and maintenance of Chicago Park District's natural areas across the City.

Under immediate supervision, performs manual labor and operates equipment in support of natural areas restoration activities conducted at Park District facilities, including parks, special facilities, greenhouses, nurseries and nature gardens and other nature area communities. Performs related duties as required.

Hours are 6:00am – 2:30pm, M – F. This position pays \$43,690.04. The job posting closes **January 9th, 2024**.

Learn more [HERE](#)



MS PROGRAM -PURDUE UNIVERSITY FORT WAYNE

The Department of Biological Sciences at Purdue University Fort Wayne is accepting applications for Fall 2024 admission to our Master of Science degree program. Faculty within the department teach courses and conduct research in areas of population and community ecology, organismal physiology, cellular biology, genetics, and molecular biology.

A limited number of teaching assistantship positions (TAs) are available from the department. TAs receive a stipend (~\$14,069/academic year) and a significant tuition reduction. These positions are awarded on a competitive basis, thus acceptance into the program does not guarantee receipt of a TA position.

Fall 2024 admission and consideration for a TA position application deadline is **February 15, 2024**. Start your application at <https://gradapply.purdue.edu>

Learn more [HERE](#)

MASTER'S STUDENT RESEARCH ASSISTANT - CALIFORNIA STATE UNIVERSITY, MONTEREY BAY

Are you passionate about environmental science, microbiology, molecular methods and looking to make a significant impact?

Join the research team at California State University, Monterey Bay (CSUMB) and contribute to the critical field of microbial bioremediation. We are seeking an enthusiastic and highly-motivated individual to fill a funded Master's Graduate Student Research Assistant position who would play a key role in our project focused on the bioremediation of pesticides using bacteria and support ongoing work on the implementation and development of pesticide-remediating bioreactors for local agricultural lands.

Interested candidates should first submit the following materials to Dr. Nate Jue - njue@csumb.edu:
Cover Letter & Resume/CV
Transcripts
Contact information for two academic or professional references.

Application Deadline: **February 1, 2024**