

Charlie Edwards

313 Peachtree Ave. Oshkosh, WI 54904 | Charlie.Edwards@gmail.com | (555) 111-1111 |
www.linkedin/Charlie-Edwards

EDUCATION

University of Wisconsin Oshkosh

Bachelor of Science in Biology

Emphasis: **Microbiology**

Overall GPA: 3.6/4.0

Oshkosh, WI

May 2021

Minor: **Chemistry**

Major GPA: 3.7/4.0

RELATED SKILLS AND KNOWLEDGE

- Conducted naturalistic herpetological survey of Florida Keys and Everglades
- Identified species of reptiles and amphibians as part of class research project
- Utilized a spectrophotometer to observe and document spectrums of different solutions as part of study about major cellular constituents and their metabolism

RESEARCH AND INTERNSHIP EXPERIENCE

University of Wisconsin Oshkosh, Biology Department

September 2020 – Present

Student Researcher

Oshkosh, WI

- Secure \$25,000 in funding by writing grant proposal with faculty for a cancer prevention campaign
- Conduct research on the effects of cancer in underrepresented populations
- Presented research findings at a National Association of Professional Biology Conference

Centers for Disease Control and Prevention

June 2020 – August 2020

Division of Health Studies Intern

Atlanta, GA

- Researched populations at-risk of increased exposure to automobile pollution in metropolitan Atlanta
- Collaborated with the Geospatial Research, Analysis, and Services Program (GRASP) by evaluating populations at-risk of increased exposure from automobile pollution given proximity to high traffic roads
- Applied spatial techniques to identify and evaluate the distribution of women over age 40 shown to have increased risk of cardiovascular events

Animal Facility, The NEW Zoo

June 2019 – August 2019

Animal Care Intern

De Pere, WI

- Ensured safety and health of 5 giraffes by serving as primary caretaker for animal exhibit
- Maintained an environment suitable for wildlife captivity based on federal regulations
- Performed animal husbandry and administrative duties with managerial and supervisory responsibilities

LAB EXPERIENCE

University of Wisconsin Oshkosh

January 2018 – May 2018

Public Health Lab Associate

Oshkosh, WI

- Collected data about cancer causing agents in the Fox Valley Region for a Ph.D. in Public Health
- Charted plot data for further analysis to be incorporated into a scholarly research paper
- Cultured healthy human cells and exposed them to potential carcinogens in a controlled environment
- Utilized radon detection monitors to gather data points throughout Northeastern Wisconsin to compare to known areas of high occurrence lung cancer

GLOBAL RESEARCH EXPERIENCE

The Volunteer Bay

June 2018 – July 2018

Volunteer Researcher

Nicoya Peninsula, Costa Rica

- Monitored varied species of adult female turtles that nest on the beach to develop and propose a conservation strategy for the protection of these animals
- Found areas of research in biodiversity for use by students and international students from state and private universities to develop their dissertations
- Fostered community outreach and environmental education activities to reduce the dangers of sea turtle species extinction

PUBLICATIONS

Koothrappali, R. Hofstadler, L., & Edwards, C. (2019). Understanding the Effects of Cancer in Underrepresented Populations. *Oshkosh Scholar*, 10 (3), 150-165.

ACTIVITIES & LEADERSHIP

- **Scholar**, *UW Oshkosh McNair Scholar Program*, Oshkosh, WI September 2017 – Present
- **Member**, *UW Oshkosh Honors College*, Oshkosh, WI September 2017 – Present
- **Team Leader**, *Oshkosh Relay for Life: American Cancer Society*, Oshkosh, WI October 2017, 2018
- **Executive Board**, *UW Oshkosh Clemens Hall Council*, Oshkosh, WI September 2017 – May 2018

OTHER EXPERIENCE

- **Admissions Office Tour Guide**, *UW Oshkosh*, Oshkosh, WI February 2018 – Present
- **Volunteer**, *Cancer Hospice House of Wisconsin*, Green Bay, WI May 2017 – Present

PRESENTATIONS

- *Immunoglobulin Processes*: Observed interactions of antigens and antibodies through immunoassay, Western Blot, and Eliza tests on immune serums and antibodies
- *Electrophoresis: An Experimental Technique*: Cell functions depending on the pH of different fluids and procedure of electrophoresis
- *Molecular Characterization of Mutated and Mating Drosophila Melanogaster*: Ability for *Drosophila melanogaster* to mate with other flies producing mutations
- *Organic Chemistry Skills to Know*: Nomenclature, preparations, reactions, and reaction mechanisms of functional groups of aliphatic and aromatic compounds

ORGANIZATIONS

- **Member**, *UW Oshkosh Chemistry Club*, Oshkosh, WI February 2018 – Present

CONFERENCES ATTENDED

- *Association of Professional Biology Conference*, Nelson, BC, Canada May 2020
- *American Association for the Advancement of Science Conference*, Boyd, MN June 2019
- *University of Wisconsin Oshkosh Celebration of Scholarship*, Oshkosh, WI May 2019