

ALEXANDRA MALDONADO

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EDUCATION

Lawrence University, Appleton, WI

June 2023

Bachelor of Arts; Major: Biology

GPA: 3.6

Relevant Coursework: Experimental Design and Statistics; Biostatistics; Ecological Modeling

HONORS AND AWARDS

Posse Foundation Full-Tuition Scholarship (2019 – Present)

Dean's List (2020)

Lawrence University Research Fellowship (2021)

RESEARCH EXPERIENCE

Department of Neurological Surgery, UW School of Medicine and Public Health Madison, WI

Undergraduate Research Assistant |

Mentor: Dr. Kat Williams

August 2019 – Present

- Measure and distinguish axon and dendrites using immunofluorescence microscopy
- Prepare stock solutions and reagents, and perform routine autoclaving
- Save pictures and organize files for team to analyze and measure

Biology Department, Lawrence University

Appleton, WI

Research Fellow | Mentor: Prof. Nicole Chodkowski

June 2021 – August 2021

- Transcribed data of curated specimens into SCAN to publish parasite-host interaction
- Dissected and dried snails to obtain dry weight for respiration rate calculations
- Used microscopes to collect parasites for molecular identification
- Collected oxygen consumption of individual snails using respirometer
- Demonstrated ability to work independently and adapt to unexpected challenges

Biology Department, Lawrence University

Appleton, WI

Course Project: "Sound Ecology" | Prof. Jodi Sedlock

September 2020 – October 2020

- Used Audacity to record presence of katydids and crickets
- Gathered and analyzed data to determine insect diversity within given geographic area

WORK EXPERIENCE

Warch Campus Center, Lawrence University

Appleton, WI

Information Desk Worker

September 2019 – June 2021

- Communicated campus and event information to community members and visitors
- Maintained accurate records for desk funds and lost items
- Enforced COVID-19 safety guidelines within the central campus building

Residential Education and Housing Office, Lawrence University

Appleton, WI

Community Advisor

October 2020 – June 2021

- Promoted and upheld the COVID guidelines implemented by the university
- Collaborated with supervisor to create safe and inclusive programming to discuss challenging topics and building community among residents

EXTRACURRICULAR ACTIVITIES*Member, Lawrentians Enhancing Diversity in Sciences*

September 2021 – Present

Elementary School Tutor, VITAL Program

October 2020 – Present

Treasurer, Alianza

September 2020 – June 2021

SKILLS**Software:** Microsoft Office (Excel, Word, PowerPoint); RStudio; Canva**Language:** Spanish (fluent)**REFERENCES**

Nicole Chodkowski

Visiting Assistant Professor of Biology

Relationship: Faculty Research Mentor

711 E. Boldt Way, Appleton, WI 54911

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Elizabeth Ann De Stasio

Raymond H. Herzog Professor of Science and Professor of Biology

Relationship: Faculty Advisor

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Kimberly Dickson

Associate Professor of Biology

Relationship: Professor

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