

WILLOW HEARNE

5516 NW 60th Drive
Coral Springs, FL, 33067
(954)-993-3693
whearne2015@fau.edu
willowjhearne@gmail.com

Education

B.S. in Biological Sciences with minor in Computer Science and certificates in Environmental Sciences and Geographical Information Systems, GPA 3.7
Florida Atlantic University – Boca Raton, FL

August 2016 – Present

Coursework

- Biological Principles
- Biodiversity
- General and Organic Chemistry
- Geographic Information Systems
- Data Science and Deep Learning
- C and C++
- Logic Design

Research

Undergraduate Researcher at Anderson Lab
Florida Atlantic University – Davie, FL

March 2017 – March 2018

Analyzed song of the Bachman's sparrow, assisted graduate students in executing graduate-level studies, conducted independent projects, and maintained captive birds.

Research projects

- Repertoire analysis of an individual wild Bachman's sparrow.
- Development of a protocol based on the repertoire analysis.

Data Scientist

January – May 2019

Max Planck Florida Institute for Neuroscience – Jupiter, FL

Works with Dr. Michael Smirnov to enhance 2-photon microscopy auto-focusing using data science and computer programming.

Employment and Internships

Data Entry Clerk and Product Photographer

Dec. 2016 – Dec. 2019

J.R. Dunn Jewelers – Lighthouse Point, FL

Seasonal

Photographed products and performed data entry to enhance usability of company website and appeal of product advertisements. Experience with Magento.

Sales Associate

August – November 2018

Allbrite Pools – Coral Springs, FL

Safely handled harmful chemicals to test pool water for optimal balance and made accurate product recommendations to customers. Organized and maintained storefront to facilitate a pleasant shopping experience for customers. Trusted by storeowners to operate cash register.

Near-Peer Mentor

August 2018 – May 2019

Florida Atlantic University High School – Boca Raton, FL

Mentored five 10th grade students through their transition from high school to college in FAU High School's unique dual-enrollment environment.

Awards and Symposiums

Fall 2017 FAU Office of Undergraduate Research and Inquiry Grant

\$600

Florida Atlantic University – Boca Raton, FL

FAU Office of Undergraduate Research and Inquiry Symposium

March 2018

Florida Atlantic University – Boca Raton, FL

FAU College of Education Research Symposium

March 2018

Florida Atlantic University – Boca Raton, FL

Broward Research Symposium

March 2018

Florida Atlantic University – Davie, FL

Certifications

Environmental Health & Safety Training

July 2017

Florida Atlantic University – Boca Raton, FL

Developed important laboratory biohazard and waste removal skills.

Online CITI Animal Research Training*July 2017*

Gained an understanding of how to conduct safe and efficient wildlife research at the lowest risk to the animal.

IACUC Animal Research Training*July 2017*

Florida Atlantic University – Davie, FL

Gained an understanding of how to conduct safe and efficient wildlife research at the lowest risk to the animal.

Volunteer Experience

Visitor Greeter*July – August 2016*

Sawgrass Nature Center – Coral Springs, FL

Greeted visitors, informed them about the nature center, and directed them to certain locations.

Office Assistant*January – May 2017*

Florida Atlantic University – Boca Raton, FL

Assisted in basic office assignments including alphabetizing and organizing forms and papers.

Extracurricular Activities

Improvised Comedy*April 2018 – Present*

Sick Puppies Comedy – Boca Raton, FL

Learned the fundamentals of improvised comedy and how to be present and mindful. Gained an understanding of how to create characters in short-form and long-form scenes. Studied common format “The Harold”.

Ceramic Sculpture*March 2016 - Present*

Took a 7-week ceramics course at Boca Raton Museum Art School. Took Introduction to Handbuilding at FAU. Would like to continue in my ceramic studies and develop my technique and own personal style.

H2O to Go*July 2015*

Florida Atlantic University – Jupiter, FL

Collected soil and water samples from Lake Okeechobee and Kissimmee River and measured certain qualities to assess impact of environmental degradation. Identified and tallied presence of different bird species to measure bird populations in the area.