

Taylor Thomas

Detail-Oriented Biologist with Research Experience

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Throughout my years as an undergraduate student and beyond, I have been exposed to many different scientific disciplines. The majority of my experience comes from animal behavior research and neurobiology, but I also have a background in microbiology, genetics, data analysis, graphic design, and more. I am a fast learner and love acquiring new skills. I have experience in SQL, Python, JavaScript, Excel, HTML, and others. I have a wide variety of interests that give me a fresh perspective and will make me a worthy addition to any team!

Willing to relocate: Anywhere

Authorized to work in the US for any employer

Work Experience

Lab Technician/Manager

UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS - College Park, MD

August 2021 to Present

- The Caras Lab at the University of Maryland specializes in the study of perceptual learning in auditory systems of Mongolian Gerbils (www.caraslab.org)
- Animal care (oversee gerbil health; wean litters and determine the sex of gerbils; manage animals on special diets or medications)
- Manage the lab's purchasing needs, budget, and reconcile those funds
- Perform and assist with surgeries on gerbils in brain regions associated with auditory perception (AC, OFC)
- Train gerbils in learning tasks (aversive, psychometric, etc)
- Perform perfusions and CO2 euthanasia
- Maintain and update lab website
- Prepare for and oversee various lab inspections
- Train and process new lab members
- Group Compliance Liason on Bioraft
- Dispose of hazardous and chemical waste and ensure emergency equipment is in working order
- Maintain various chemical stocks (PBS & PFA dilutions, gelatin-coated slides, etc)
- Organize and sustain a clean and efficient lab

Image Library and Database Manager

Axway Software

March 2015 to Present

- Research and process stock images to meet the requirements for multiple different platforms and events
- Manage Junior Designers and interns
- Edit icons and images to match color and resolution requests
- Organize and manage the icon database

- Be proficient in Adobe Software

CNA - Certified Nursing Assistant

Cherished Hands Home Health LLC - Germantown, MD
January 2021 to August 2021

- Provide careful, caring assistance to clients
- Monitor vital signs and aid with ADLs
- Cared for approximately 4 clients with varying needs
- Worked with mechanical lifts when needed

Veterinarian Technician

Poolesville Veterinary Clinic - Poolesville, MD
May 2019 to March 2020

- Comfort and restrain cats/dogs while veterinarians or other veterinary technicians perform procedures
- Administer medications to cats/dogs and fill prescriptions
- Pro Heart 6 certified
- Perform a variety of other tasks to assist veterinarians and help keep the clinic organized and running efficiently

Athletic Events Staff Member

Salisbury University - Salisbury, MD
August 2016 to December 2019

- Serve one of the most successful collegiate athletic programs in the nation
- Facilitate suite rental operations and ticket sales for VIP program donors during NCAA events and other large-scale occasions
- Manage new and current staff members

Research Assistant

Smithsonian Tropical Research Institute
February 2018 to August 2019

- Researched multimodal communication, as well as sexual selection and cognition in the túngara frog, which will be featured in upcoming scientific publications
- Constructed a next generation sequencing library and performed Double-Digest Restriction Associated DNA Sequencing (ddRADseq) and analysis of over 450 SNPs collected from 250 túngara frogs
- Operated bioinformatics programs such as STRUCTURE and GENEPOP, as well as the Microsoft Office Suite
- Present research to undergraduate genetics classes

Animal Husbandry Intern

Delmarva Discovery Center - Pocomoke, MD, US
August 2018 to December 2018

- * Create a healthy environment for animals such as otters, reptiles, amphibians, and invertebrates that encourages successful growth and development
- * Handle and observe the behavior of the animals at the museum, as well as educate visitors about the different species
- * Assist in training of native river otters

Student Researcher

Salisbury University Cell Biology Department - Salisbury, MD
January 2018 to May 2018

- * Purified recombinant human dihydrofolate reductase then executed sodium dodecyl sulfate - polyacrylamide gel electrophoresis (SDS-PAGE)
- * Conducted cell fractionation and fixed-time assays

Education

Bachelor's of Science degree in Biology

Salisbury University - Salisbury, MD
2015 to 2019

High School Diploma

Poolesville High School - Poolesville, MD
2011 to 2015

Skills

- Microsoft Office
- Adobe Creative Suite
- Google Cloud Platform
- Customer Service
- Computer Skills
- Communications
- Animal Care
- Animal Husbandry
- Research Laboratory Experience
- Organizational Skills
- Spanish
- Management Experience
- Presentation Skills
- Next Generation Sequencing
- Veterinary Assistant
- Animal Restraint
- Image Processing
- Veterinary Technician Experience
- Kennel Experience
- Laboratory Experience
- Hospital Experience
- Animal Handling
- Data Analysis

- Adobe InDesign
- Adobe Illustrator
- Adobe Photoshop
- Adobe Flash
- Clinical laboratory experience
- Research
- JavaScript
- Clinical trials
- Graphic design
- Writing skills
- Python
- HTML5
- Project management (1 year)
- Java
- Microbiology
- Software development
- MATLAB
- CPR
- Leadership
- R
- Neurosurgery in rodents (1 year)
- Animal handling
- Microsoft Excel
- Analytics
- SQL
- Microsoft Word
- Microsoft Powerpoint
- Administrative Experience
- Structure - Genetic Analysis Program (2 years)
- Genetics (2 years)
- STRUCTURE Harvester
- CLUMPP
- Distruct Program
- Ghost View Program
- GENEPOP (2 years)
- Laboratory Management
- Photography
- Photo editing
- Adobe Photoshop
- JavaScript

- MySQL

Languages

- English - Expert
- Spanish - Intermediate

Certifications and Licenses

Certified Nursing Assistant (CNA)

January 2021 to Present

CPR/AED

January 2019 to Present

ProHeart 6

May 2019 to Present

SQL

January 2022 to Present

Certified in SQL and databases from the University of Michigan

Assessments

Nursing Aide Skills — Expert

January 2021

Providing nursing aid to patients using knowledge of relevant equipment and procedures.

Full results: [Expert](#)

Customer service — Expert

June 2021

Identifying and resolving common customer issues

Full results: [Expert](#)

Memorization — Expert

June 2021

Committing product or merchandise information to memory and recalling it at a later time

Full results: [Expert](#)

Indeed Assessments provides skills tests that are not indicative of a license or certification, or continued development in any professional field.