

SKILLS

My skills include critical thinking, problem-solving, and the ability to work in a fast-paced environment. My career objectives include attending graduate school for a Master's degree, learning more fieldwork, and utilizing my wet lab experience.

EDUCATION

Roane State Community College, August 2018-July 2020

- Associate's degree-Biology, Pre-health professions- Tennessee Transfer pathway

Lincoln Memorial University, August 2020-May 2023

- B.S. Biology, Chemistry minor

SkyNano- Chemist, Knoxville Tennessee

May 2023-June 2023

- Worked on an experimental design project to purify water using Multiwalled Carbon Nanotubes (MWCNT)
- Learned to be a lead project manager on novel experiments using MWCNTs
- Focused on primary literature searches and data analysis for experimental processes

Costa Rica- Student

June 2022- July 2022

- Learned about rainforest ecology and evolution and how it relates to bats
- Focused on fieldwork using different methods of bat detection such as mist netting and using ultrasonic recorders
- Spent a significant amount of time enduring long hikes and working in inclement weather conditions

SkyNano- Lab Technician, Knoxville Tennessee

December 5, 2021- July 2022

- Focused on creating Carbon samples out of Co2 mixtures
- Learned pre and post-processing of samples and how to analyze them via Electron Microscope

CSL Plasma- Lab Assistant 1, Knoxville Tennessee

October 8, 2020- December 8, 2020

- Focusing on moving plasma samples through a fast-paced production line.
- Trained on multiple forms of machinery and software including the Cobra P 512 and Starlims software.

Los Alamos National Laboratory, Los Alamos New Mexico— HERE Intern

June 18, 2019- August 17, 2019

- Focused on analysis of microbial communities in soil.
- I learned R computer programming and applied it in a meta-analysis.

Oak Ridge National Laboratory, Oak Ridge Tennessee— HERE Intern

October 8, 2018- May 25, 2019

- I ran an electrochemical separation of rare earth elements and worked with carbon nanotube filters.
- I prepared all synthetic chemical solutions to match the chemical makeup of particular waste streams. (ie. Lithium-ion batteries, Neodymium-Iron-Boron Magnets)
- I prepared all samples for testing and processed them through an ICP-OES.

Oak Ridge National Laboratory, Oak Ridge Tennessee— HERE Intern

June 18, 2018- August 24, 2018

- Focused on working with fellow researchers to develop a techno-economic analysis.
- I had engineering lab training on everything from sputtering to learning about the properties of magnets and lithium-ion batteries along with their industrial uses.

- I voluntarily pitched ideas for a start-up company to several project members and at an ORNL poster session.

AWARDS

- ACA Ledford Scholarship 2022
 - DOE Gilman Scholarship 2022
 - Tennessee Academy of Science, Zoology poster 2022
 - LMU Charles W. Covey Scholarship 2022
 - LMU Dr. Estle Pershing Muncy and Dr. Jean Hayter Muncy Endowed Scholarship 2022
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