

Madeline Plumhoff

CONTACT

A: 405 Bank St., Nazareth, PA 18064

P: 610.905.6638

E: maplumhoff@gmail.com

W: linkedin.com/in/madeline-plumhoff

EDUCATION

Wilkes University May 2021

Wilkes-Barre, PA

BS: Medical Laboratory Science
Anthropology Minor

ACHIEVEMENTS

Honors Program Student

Sigma Xi Research Student

Dean's List

Overall GPA: 3.6

St. Christopher's Hospital for Children Clinical Internship

COMPUTER SKILLS

Proficient in Microsoft Office, Windows and Mac Operating Systems

SunQuest Systems

EPIC Systems

Tube tracking software

TECHNICAL SKILLS

Gel Electrophoresis

Polymerase Chain Reactions

NanoDrop Microvolume

Spectrophotometer

Centrifugation

Packaging and Aliquoting

Laboratory Specimens

Pipetting

Sterilization Techniques

Statistical Analysis

WORK EXPERIENCE

Molecular Biology Laboratory Assistant

January 2020 to May 2020

Wilkes University Biology Department

Wilkes-Barre, PA

- Maintained atmosphere of cooperation to facilitate learning and development of critical thinking skills.
- Checked assignments, proctored tests, and provided grades according to university standards.
- Troubleshoot electrical equipment problems such as water baths and sensors

Laboratory Assistant

April 2019 to October 2019

Geisinger Health System Wyoming Valley Branch

Wilkes-Barre, PA

- Safely handled potentially infectious blood, body fluids, and other patient specimens
- Prepared specimens as appropriate including centrifugation, aliquoting, and labeling.
- Applied laboratory internet programs to store specimens and to locate, retrieve, and process specimens.

E-mentor

April 2019 to December 2019

Wilkes University Student Development

Wilkes-Barre, PA

- Oversaw first-year students serving as their mentor.
- Maintained availability for students in order to help with questions they have or help they need.
- Assisted at and attended all events for first year students.

COMMUNITY SERVICE

Research and Laboratory Experience

May 2019 to June 2019

Nyakahanga District Hospital

Karagwe, Tanzania

- Worked in Hospital Laboratory to test for HIV, Typhoid, Malaria, as well as routine procedures.
- Filmed and edited footage for a public health video for Vitamin K project.
- Promoted Vitamin K project to Nyakahanga community.

Geisinger NICU Volunteer

February 2018 to March 2020

Geisinger Wyoming Valley Medical Center

Wilkes-Barre, PA

- Comforted crying or stressed infants by rocking or cuddling.
- Assisted in neurodevelopment by providing infant stimulation.
- Reported unusual behavior to NICU staff and follow Amber Alert and confidentiality procedures.

Saint Luke's Hospital Volunteer

May 2017 to August 2018

Saint Luke's Hospital Bethlehem Campus

Bethlehem, PA

- Provided support and companionship to patients in need of assistance.
- Packaged pharmaceutical drugs to patients in the cancer center.
- Carried laboratory specimens, results and charts to appropriate departments.

RESEARCH EXPERIENCE

Arabidopsis Plant Research

August 2017 to April 2019

Wilkes University Biology Department

Wilkes-Barre, PA

- Worked under a graduate student to understand and perform complex laboratory procedures.
- Performed gel electrophoresis, polymerase chain reactions, and extracted RNA.
- Used a NanoDrop Microvolume Spectrophotometer to determine amount of RNA extracted.