

Jenna Montgomery

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PROFESSIONAL SUMMARY

Seeking to utilize my research, data collection, and collaboration skills to gain experience to seek a Master's in Public Health. Eager to apply a strong foundation in biology to enhance outcomes and contribute to advancements in medicine through laboratory work.

EDUCATION

West Virginia University, Morgantown, WV

Bachelor of Science in Biology

December 2023

GPA: 3.5

RESEARCH EXPERIENCE

Viral Genomics Lab

Spring 2023

Research group

- Isolated bacteriophages from the environment and characterized them using separate expertise and skills
- Analyzed genomes through bioinformatics and comparative genomics
- Gained experience with laboratory protocols and equipment.
- Kept accurate notes of methods, results and conclusions
- Presented findings at symposium to faculty and peers

Genomics Capstone Project

Identifying genes that regulate responses to chemicals in budding yeast

Spring 2023

- Developed an experiment for genome analysis from In-Lab-Evolutions of yeast in response to glyphosate in different conditions
- Gained experience in working with laboratory equipment, protocols, and evaluating scientific literature
- Presented findings at symposium to faculty and peers

Qualitative Data Coding, West Virginia University School of Public Health
Research of C-Sections and Body Image

Fall 2023

- Assisted in development of research publication

TECHNICAL SKILLS

Communication | Proposal preparation | Genetic transformation | DNA extraction | Collaboration
| Data collection | Quantitative Analysis | Qualitative Analysis | Culturing | Pipetting |
Spectrophotometry | Aseptic technique | Serial dilution | PCR | Agarose gel electrophoresis |
Comparative genomics

ADDITIONAL EXPERIENCE

Certified Lifeguard | *Oakmont Country Club* | *Sampson Family YMCA Lifeguard* 2017-present

- Demonstrated ability to cooperate with team in time of crisis
- Training in life-saving skills, CPR, and proper techniques

Customer Service/ Retail Sales | *Longue Vue Club* | *Allegheny County Parks* 2019-2021

- Provided great customer service skills to customers
- Demonstrated accuracy and reliability in money handling at the register

Swim Coach | *Oakmont Country Club* Summer 2023

- Successfully coached swimmers in various age groups, focusing on stroke technique, endurance, and overall fitness.
- Developed and implemented training programs tailored to individual and team needs.
- Organized and led team practices, emphasizing skill improvement and teamwork.
- Coordinated and managed participation in regional swim competitions.

RELEVANT COURSEWORK

Cell and Molecular with Lab | Chemistry with Lab | Statistics | Evolution of Infectious Diseases |
Genomics | Viral Genomics | Bioinformatics | Management Information Systems and Technology

CERTIFICATIONS

First AID/ CPR/ AED

2017- present

Collaborative Institutional Training Initiative Program- Human Subject Research May 2023

PROFESSIONAL ASSOCIATIONS

Beta Psi Omega, *Biology professional fraternity*

Spring 2022- Fall 2023

Service chair

Fall 2022

Brother/ Sister at large

Spring & Fall 2023

West Virginia University Honors College Student

Fall 2020-Fall 2023