

JW

Josie Welker

Professional Summary

Dependable student with proven success in enzymatic oxidation research currently pursuing degree in chemistry. Adept in developing laboratory experiments, mentoring students in laboratory best practices and techniques and managing research-related collateral. Proficient in IGOR and Gepasi.

Work History

Monmouth College - General Chemistry Lab TA
Monmouth
08/2019 - Current

- Assisted students with collecting of data, as well as processing of data
- Answered chemistry questions as well as procedural questions
- Kept a clean and safe working environment
- Enforced laboratory rules and regulations
- Prepared samples and experiments

Monmouth College - First Year Mentor
Monmouth, IL
08/2019 - Current

- Assisted new students with the transition from high school to college
- Gave lessons on time management and other helpful skills for first year students
- Worked alongside a professor to create programming for the students outside of class

Monmouth College - AV Technician
Monmouth, IL
09/2018 - Current

- Set up sound equipment for various events on campus
- Trained new employees
- Provided troubleshooting techniques in audio/video systems

The Garden Restaurant - Head Waitress
Lewistown, United States
05/2015 - 01/2019

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61542

Skills

- Chemistry coursework standards
- Lab interpretation
- Research experience
- Showed proficiency with IGOR and Gepasi
- Able to operate many data collection instruments, including HPLC and UV-Visible Spectroscopy instruments

Education

Expected in 05/2021
Monmouth College
Monmouth, IL

Bachelor of Science: Chemistry

- Completed ACS certification in Organic Chemistry and Inorganic Chemistry

- Maintained customer satisfaction with timely table check-ins to assess drink or other needs
 - Resolved guest and employee complaints to maintain complete customer satisfaction and workforce effectiveness
 - Applied communication and problem-solving skills to resolve customer complaints and promote long-term loyalty
 - Kept server areas clean and stocked during service hours to increase efficiency while serving tables
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Accomplishments

- Alpha Lambda Delta Honor Society
 - Mortar Board Honor Society
 - Blue Key Honor Society
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Campus Involvement

- Track and Field
 - Students for Environmental Awareness
 - American Chemical Society
 - Kappa Kappa Gamma: held the position of New Member Director
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Research Experience

Research experience with the enzymatic oxidation of several biophenols. Developed methods for data collection on several different instruments. Extensive work with the HPLC and UV-Vis.