

Sarah Warhawk

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SUMMARY

Environmental Science major with 1 year of internship experience and extensive background in the field of research and development. Earned reputation as a project leader in problem solving and team building. Familiarity of regulations and policies, experience with preparation of laboratory equipment, contributing strong field experience and analytical skills.

EDUCATION

University of Wisconsin-Whitewater

B.S. Environmental Science *May 20XX*, GPA: 3.6/4.0

RELEVANT COURSES

Analytical Environmental	Environmental toxicology	Soil and Water
Numerical Methods in Environmental Science	Environmental Law	Principles of Ecology
Environmental Microbiology Laboratory	Principles of Industrial Hygiene	Hazardous Waste

LAB SKILLS

Knowledge of GLP regulations
Ability to perform equipment preparation
Familiar with DNA sequencing, synthesis, buffer preparation, gel electrophoresis, microscopy, DNA extraction

Observed cell culture work
Bacteria cultivation

LAB EXPERIMENTS

Cell Biology: Performed experiments consisting of pH gradients, such as cell function based on pH of different fluids

Immunology: Conducted tests on antibodies produced from small animals, to observe antigens, using immunoassay

Genetics: Used *Drosophila melanogaster* to test their ability to mate with insects producing mutations

RESEARCH EXPERIENCE

University of Wisconsin-Whitewater, Whitewater, WI

Research Collaborator *January 20XX – Present*

- Utilize GC to examine the mechanisms and products of microbial dechlorination of organic contaminants, and molecular biology lab work
- Assist in experiments on Hg cycling in coastal marine environments
- Examine MC-ICP-MS data to evaluate Hg isotopic fractionation
- Prepare lab equipment and supplies; practice report writing and assist in data analysis

Warhawk University, Warhawk, WI

Research Assistant *September 20XX – June 20XX*

- Assisted in experiments to improve disinfection technology for secondary water supply safety in Pearl River
- Manipulated and built a manual model to imitate water flow in the city's irrigation system
- Collected and analyzed data to find optimal disinfectants to maintain effluent quality and reduce by-products

INTERNSHIP

Intern, Environmental Science, Nature Research Complex, Warhawk, WI *September 20XX – December 20XX*

- Air samples: Set up and use of the Hi- Volume Air Sampler using PUF (polyurethane foam)
- Analysis of PCBs in air samples: quantification by GC/MS/MS using deuterated PCBs as internal standards

HONORS & ACTIVITIES

- Delta Zeta, UW-Whitewater, *February 20XX – Present*
- ISCES (International Student Conference on Environment & Sustainability), participated in the section of water ecosystem in Shanghai, China *Summer 20XX*
- Chancellor's Scholarship *20XX*