

# Sarah Warhawk

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## SUMMARY

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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

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### 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

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### 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

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**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

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- 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*