

# Blu Blugold

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## EDUCATION

**Bachelor of Science** | *University of Wisconsin – Eau Claire (UWEC)*, Eau Claire, WI

**Environmental Public Health Major**

Graduation: December 2024

Relevant Coursework: Water and Wastewater, Environmental Ethics, U.S. Environmental and Sustainability Policy, Occupational Safety Management, and Fundamentals of Industrial Hygiene

## RESEARCH EXPERIENCE

**Research Assistant** | *UWEC Watershed Institute*, Eau Claire, WI

September 2021 – May 2022

- Collaborated with three research partners in collecting water samples to investigate nitrate contamination for private wells in Eau Claire County
- Analyzed pool water samples for total alkalinity, calcium hardness, and chlorine and performed titrations, discovering that 29% of the 97 private wells tested positive for four of the seven agricultural indicators
- Presented findings to county board members and concerned citizens to inform them of health risks associated with the county's private wells

## RELEVANT EXPERIENCE

**Water Supply Specialist** | *Department of Natural Resources*, Green Bay, WI

May 2022 – Present

- Conduct annual site visits for transient non-community wells and pressure tanks in 325 different locations in Brown, Shawano, Oconto, and Marinette counties
- Coordinate with owners and managers of bars, restaurants, churches, and parks to establish annual site visits, ultimately improving community relations
- Perform Colilert tests on water samples to identify the presence of coliform bacteria and E. Coli
- Compile and interpret weekly site inspection results and share the data with Water Supply Specialists

**Environmental Health Intern** | *U.S. Public Health Service Commissioned Corps*, Bemidji, MN

May 2021 – August 2021

- Analyzed potential health and safety risks for over 30 medical, hotel, and restaurant establishments
- Orchestrated a wide variety of safety trainings such as respirator fit testing and fire extinguisher training
- Instructed three different courses surrounding food safety management for over 40 community members, resulting in a 15% decrease in food safety violations in the area

**Volunteer** | *Eau Claire County Health Department*, Eau Claire, WI

May 2020 – May 2021

- Monitored deer tick population by conducting tick drags at four Eau Claire County parks on a weekly basis
- Discussed tick drag findings and Lyme disease threat levels at Eau Claire Lyme Disease Grant meetings, noting that 40% of ticks collected were infected with Lyme disease
- Collaborated with fellow volunteers to research the potential side-effects of using repellents on the human body, discovering potential health complications due to improper usage of the products

## MILITARY EXPERIENCE

**Health Care Specialist - Combat Medic** | *Wisconsin Army National Guard*, Eau Claire, WI

July 2016 - August 2020

- Facilitated yearly combat lifesaver course for over 600 infantry soldiers
- Trained 30 new medics on patient-care and emergency medical techniques

## MEMBERSHIP AND INVOLVEMENT

**President** | *UWEC Conservationists Club*

January 2022 - Present

**Member** | *National Environmental Health Association*

January 2021 - Present

**Member** | *Minnesota Environmental Health Association*

September 2020 - Present

## CERTIFICATIONS

**Emergency Management, Hazardous Materials, and Incident Command System** | *FEMA*

Completed: May 2022

**Food Protection Manager and Instructor** | *ServSafe*

Completed: May 2021