

Scholar of the life sciences and humanities applying research outcomes to produce real-world solutions.  
Pursuing a master's degree from Evergreen State College.

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## EDUCATION

- B.Sc. in Biology/Anthropology
  - Western Washington University, Bellingham, WA; June 2023
    - Relevant coursework: Ecology, Organic Chemistry, Quantitative and Qualitative Research Methods, Statistics

## KEY SKILLS

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Geographic Information Systems	CAD/Modeling software
Laboratory instruments	Statistical analysis programs
LIMS software	Microsoft Office suite

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## RESEARCH EXPERIENCE

**Biology 349 Applied Research Laboratory** | Western Washington University      Sept. 2022 - Jan. 2023

- Utilized knowledge gained through course lecture content to further understanding of advanced physiological concepts, applying those concepts to design a novel research proposal
- Developed an original research question and corresponding hypothesis, then identified a study population and the parameters of the study
- Executed the study within the definitions of the parameters, utilizing comprehensive analyses such as regression-correlation and T-tests to create original figures and datasets that visualize study results
- Explained the results of analyses and figures using relevant scientific reasoning, subsequently proposing novel solutions and opportunities for further study based on research findings
- ★ Gave capstone presentation on the research project to an audience of faculty, lab advisors and colleagues, titled "Sleep deprivation's effect on the sympathetic nervous system during exercise"

**Research Assistant** | Western Washington University      Sept. 2021 - Jan. 2022

- Gained familiarity with ASTM standards and EPA National Guidelines
- Conducted fieldwork in local riparian and aquatic ecosystems to facilitate primary data collection of organic and inorganic samples
- Performed detailed analyses of samples utilizing advanced equipment and methods such as electron microscopes, spectrophotometers, and HPLC chromatography
- Condensed the results of analyses and inputted into proprietary LIMS software to standardize datasets and increase workflow efficiency
- Applied complex scientific theorems and empirical reasoning to draw conclusions regarding the health and vitality of local ecosystems, utilizing those conclusions to propose solutions that ensure environmental longevity and productivity
- ★ Achieved a 25% increase in sample processing efficiency through implementation of the OSHA lab safety and compliance standards

## PROFESSIONAL EXPERIENCE

**Mountain Rescue Unit** | Skagit County Sheriff's Office

Dec. 2021 - Present

- Conducted mountain search and rescue operations at all phases, from mission dispatch to patient care
- Performed thorough documentation and kept accurate records of all mission timelines for dissemination among team members and partnering agencies
- Promoted collaboration and engagement between the organization and relevant stakeholders, such as the National Park Service, U.S. Forest Service and Washington State Mountain Rescue Association
- ★ Increased mission response speed and seamlessly integrated with partnering agencies by facilitating the implementation of a standardized communication system across the organization

**Clinical Operations Team Member** | Spokane County Regional Health

Oct. 2020 - Feb. 2021

- Cataloged and filed COVID-19 nasal swab test results into a proprietary database for reporting to local and state health authorities
- Assisted in the delivery of full-body personal protective equipment to staff members and volunteers
- Coordinated with regional health regulators, medical professionals and clinic administrators to develop unique, novel methods that increase operational efficiency and quality of care
- ★ Achieved an approximate 33% reduction in the number of negative patient-provider interactions through the establishment of a system of safety measures and enforcement

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## CERTIFICATIONS AND LICENSURE

Ethical Researcher Certification | CITI Research Institute

March 2023

State of Washington Emergency Worker | Skagit County Emergency Management Department

July 2022

First Aid/CPR/BLS | American Heart Association

April 2020