

CURRICULUM VITAE

Joseph Webb

Department of Biology
University of Vermont
109 Carrigan Drive
Burlington, VT 05405

Joseph.webb@uvm.edu
Josephdwebb.com

RESEARCH INTERESTS

Clinical Epidemiology and Outcomes, Infectious Disease Surveillance, One Health, Tropic Interaction Modeling, Wildlife Conservation and Management

EDUCATION

Current University of Vermont
Bachelor of Arts, Biology
Advisors: Ellen Martinsen, PhD; Nicholas Gotelli, PhD

GRANTS & AWARDS

2022 | Summer Undergraduate Research Fellowships Program Leahy Summer Scholar | **\$3867**
2022 | UVM Summer Research Stipend | **\$4500**

PROFESSIONAL EXPERIENCE

2023 | **University of Vermont Department of Biology** | Burlington, VT

Honors Undergraduate Researcher

- Collected biological samples from across New England for DNA extraction and archives.
- Conducted taxonomic classification and identification of invertebrate specimen for the purpose of taxidermy preservation.
- Individually developed multiple software applications to facilitate undergraduate research and the analysis of ecological data.

2021 | **Canobie Lake Park** | Salem, NH

Emergency Medical Technician

- Accumulated 1,200 patient contact hours, delivering a spectrum of healthcare services to park guests, spanning from minor wound care to responding to cardiac arrest.
- Tasked with leading orientation and providing training to new EMT's.
- Assumed responsibility for daily operations and the coordination of emergency responses with the park.

VOLUNTEER EXPERIENCE

2023-present | **Burlington Community Justice Center** | Burlington, VT

Youth Restorative Justice Advocate

- Engaged in meetings with youth participants to facilitate a restorative process that nurtured community well-being.
- Articulated the significance of effective communication and applied strategic speech techniques to manage stress-induced speech.

2022-2023 | **UVM Department of Sociology** | Burlington, VT

Student Attendant

- Collaborated with professors and researchers to maintain a structured and efficient work environment, prompting teamwork and adaptability.
- Provided crucial support to academic staff, demonstrating attention to detail and strong organizational skills.

TEACHING EXPERIENCE

2022-Present | **University of Vermont**

Undergraduate Teaching Assistant

- 2022 and 2023 | Communication Methods
 - Facilitated a weekly instructional session focused on imparting, brainstorming, and assessing effective communication skills at an intermediate level, emphasizing versatility across diverse contexts.
 - Graded presentations, created quizzes, and assisted in facilitating group work.
- Fall 2021 | Foundation: Communication Methods
 - Guided a weekly session dedicated to evaluating fundamental communication technique across unique scenarios, tailored for a foundational level of proficiency.
 - Graded presentations, created quizzes, and assisted in facilitating group work.

2022 | **University of Vermont Department of Physics**

Student Tutor

- Conducted a weekly peer review session, incorporating customized review questions to complement the course lectures.
- Developed an instructor-endorsed review document, accessible to fellow students to enhance exam performance.

POSTERS & PRESENTATIONS

- Demographic Shifts and Ecological Interactions: Small Mammal and Invertebrate Co-Occurrence and Avoidance in a Changing Vermont. Northeast Natural History Conference. Burlington, Vermont. April 21, 2023. Oral Presentation.

LEADERSHIP

2021-2022 | **UVM Patrick Leahy Honors College** | Burlington, VT

Marketing Manager, Peer Mentors

- Served as the primary point of contact for incoming freshmen, providing support in physical, social, and academic advising. Actively engaged in orientation activities and weekly events to ensure a smooth transition for new students.
- Managed all aspects of advertising, including both online and physical mediums, from the inception of marketing material to their distribution, promoting program initiatives.
- Maintained program records and established an automated notification system.

PROFESSIONAL COURSES, TRAINING & DEVELOPMENT

2023 | **Elliot Hospital** | Physician Shadowing

- Accumulated 110 hours of shadowing experience with emergency room physicians and trauma surgeons, offering a firsthand perspective of patient care, clinical procedures, and healthcare teamwork within the hospital environment.
- Participated in a Morbidity and Mortality conference, gaining insights into hospital administration, quality improvement initiatives, and critical assessment of medicine.

2022 | **University of Vermont** | Computational Biology

- Participated in a one-semester graduate course focused at mastering the utilization of R for ecological research and data analysis, enhancing proficiency in data-driven ecological insights.

PROFESSIONAL MEMBERSHIPS

- Microbiology Society | 2023-Present

COLLABORATORS

2023 | **Ellen Martinsen, PhD** | University of Vermont

- Coordinator of the Wildlife Pathogens Lab and primary advisor to my honors thesis.

2021 | **Nicholas Gotelli, PhD** | University of Vermont

- Course professor and lab coordinator. Advisor to NENHC and my honors thesis.