

Carly Hilbert

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References Available

PROFESSIONAL SUMMARY

A curious, dedicated student looking to research new innovative solutions. Seeking to integrate research with presentation between environmental, biological and veterinary science. Currently looking at systematic and policy changes to improve food security outcomes with innovative solutions like Farm to Plate Marketplace.

RESEARCH EXPERIENCE

Henry Lab (Sep 2023 - Sep 2024)

Soil core sorting, weighing and biomass measurements were taken, extensive fieldwork in the alpine regions of British Columbia, assisted with several manuscripts to communicate findings and organised two academic conferences.

Angert Lab (Feb 2022 - Aug 2023)

Conducted alpine plant ID, gained experience across several areas of lab research including trampling and species range, completed 2 systematic literature reviews, drafted up multiple manuscripts and presented findings at two conferences as talks.

Sorted, counted and processed seeds into a genotype database, organised and maintained greenhouse and lab space, sanitised equipment, catalogued seed packets and prepared seeds for long-term storage, adept use with microscopes and scales.

Conducted a systematic literature review on aggression levels in mice. (Sep 2021 - Sep 2022)

Communicated across team members, conference organisers and libraries, designed engaging visuals to communicate research to the general public, and presented findings at a conference as a poster.

WORK EXPERIENCE

Elected Director - Roots on the Roof

April 2022 - Current

As the Elected Director, I organise the garden to ensure strong output, reliably growing over 1300 pounds of produce for my community a year. I am also the outward face of the organisation, creating collaborations and fostering a stronger community focused on One Health principles.

Research Assistant - OH-HI Science CoLab

Jan 2025 - Present

As a research assistant in the Oh-Hi CoLab, I serve as a strategic bridge between scientific expertise and diverse stakeholder groups. My role encompasses building and sustaining strong relationships with multiple stakeholder groups, and translating technical scientific content into compelling narratives for diverse audiences.

WORK EXPERIENCE - CONT.

YCAP Facilitator - UBC Sustainability Hub

Jan 2025 - Current

Youth Climate Ambassadors Project (YCAP) is an initiative consisting of climate storytelling workshops in high school classrooms and other community settings where the goal is to foster hope and agency by empowering participants with the knowledge, resources, and confidence to become "Climate Ambassadors" in their own communities.

Board Member - Out On The Shelves

May 2024 - Current

Part of the core steering team responsible for the upkeep of the Library, primarily focusing on the seed library and events. Curates donations of seeds to best serve community specific needs and hosts events to cultivate a sense of community.

Co-Founder and Volunteer Coordinator - UBC Rabbitats

February 2022 - March 2025

Founded the UBC Rabbitats chapter and am currently responsible for over 300 volunteers. Coordinates and schedules multiple events weekly to ensure a pleasant client experience and facilitates smooth events to help fund the larger Rabbitats shelters, adoptions and other costs. UBC Rabbitats is now one of Rabbitats' largest funding streams to help support the overall Rabbitats mission.

ITEX Research Assistant

Oct 2023 - Sep 2024

Assisted with methodology protocols, manuscript revision and data collection. Assisted with publishing several papers and organised a new NSERC Research Alliance. Developing group organising skills and manuscript writing abilities.

Garibaldi Research Assistant

Feb 2022 - Oct 2023

Conducted Literature review, fieldwork and manuscript writing on the effects of trampling and elevation on alpine plants in the Nch'kay region that are culturally significant to the Squamish and Lil'wat Nations. Presented at the 2023 BC PARF Conference as a speaker. Developing R skills and scientific communication.

Animal Welfare Research Assistant

Sep 2021 - Aug 2022

Conducted video behavioural scoring at the Animal Welfare Lab to determine aggression rates between male mice and created a poster presentation and methodology for the 2022 Multi-Disciplinary Research Conference

EDUCATIONAL BACKGROUND

University of British Colombia

Bachelor of Science - 2021-2025

Minor in German Language and Culture

Certificate in Climate Studies and Action

Certificate of Catacalyst Lead

University of British Colombia

Masters of Science - 2025-2027

Population and Public Health

PUBLICATIONS AND PRESENTATIONS

Chardon, N. I., Stone, P., Hilbert, C., MacLachlan, T., Ragsdale, B., Zhao, A., Goodwin, K., Collins, C. G., Hewitt, N., & Elphinstone, C. (2023). Species-Specific Responses to Human Trampling Indicate Alpine Plant Size Is More Sensitive than Reproduction to Disturbance. *Plants*, 12(17), 3040.
<https://doi.org/10.3390/plants12173040>

Hilbert, C. (2024, June 22) Aggregate Cooperatives - A Solution for Food Sovereign Communities. Global Student Farm Symposium. Online.

Hilbert, C., Stone, P., & Chardon, N. I. (2023, March 18) Alpine Plant Responses to Increases in Human Trampling Disturbance in the Nch'kay Region (Garibaldi Provincial Park). *UBC Multidisciplinary Undergraduate Research Conference*. Vancouver, BC, Canada.

Hilbert, C., Stone, P., & Chardon, N. I. (2022, December 12) Alpine Plant Responses to Increases in Human Trampling Disturbance in the Nch'kay Region (Garibaldi Provincial Park). *BC PARF*, Nanaimo, BC, Canada.

Hilbert, C., Woods, B. (2022, March 19) THE EFFECT OF STRUCTURAL ENRICHMENT IN MALE MICE: A SYSTEMATIC REVIEW. *UBC Multidisciplinary Undergraduate Research Conference*. Vancouver, BC, Canada.

SKILLS & PROFICIENCIES

- Works effectively independently and in a team environment
- Efficiently gather, record, and organize information
- Adept use of MS Word, Excel, PowerPoint, Covidence, scientific databases and web
- Strong systematic literature review skills
- Can effectively manage multiple tasks and priorities
- Prioritizes and works under pressure to meet deadlines without compromising quality
- Liaisoning between various groups
- Extensive volunteering management skills and experience
- Basic knowledge of R
- Full driver's license
- Strong manuscript writing skills
- Excellent science communication
- Intermediate field identification skills

AWARDS

- Winner of AMS Best Sustainable Club (2025)
- Winner of UBC International Community Achievement Award (2024)
- Winner of AMS Best Sustainable Club (2023)
- Nominated for AMS Best Sustainable Club (2024)
- Winner of the Bruce MacDonald Horticulture Travel Scholarship (2024)
- Sponsorship to Advancing Women in Agriculture Conference (2022-2025)
- Elected Director at Roots on the Roof (2022 - current)
- Awarded 'Highest Impact' for council work focused on improving student life (2022)