Lynndsay Terpsma

Kelowna, BC
github.com/lynndsayt
linkedin.com/in/lynndsay-terpsma

EDUCATION

University of British Columbia Okanagan **Kelowna, BC**

B.Sc., Honours Zoology *Expected: April 2027*

- **GPA: 4.33/4.33**; Dean's List (2022 - 2026)
- **Relevant Coursework:** Advanced Meta-Science, Conservation Biology, Intensive field course in Marine Invertebrate Zoology at the *Bamfield Marine Sciences Centre*, Statistical modelling, Vertebrate & Invertebrate Zoology

McMaster University **Hamilton, ON**

Graduate Certificate in Science Communication (Online) *Expected: April 2027*

SKILLS

Communication & Outreach: Public science outreach and recruitment presentations, graphic design for promotional materials, social media content strategy, peer mentoring and instruction, event coordination

Technical & Research: R (agent-based modelling, statistical analysis), Git, Linux parallel computing, LaTeX, VHF radio telemetry, animal handling

RESEARCH EXPERIENCE

Université de Sherbrooke **Kluane, YT**

Kluane Red Squirrel Project Field Technician - NSERC USRA *May 2026 - July 2026*

- Conducted systematic field surveys for North American red squirrel populations in Kluane National Park and Reserve, Yukon, contributing to a 40+ year long-term ecological dataset
- Performed humane live-trapping, handling, and biometric data collection under strict field protocols, ensuring data integrity for ongoing population monitoring
- Used VHF radio telemetry to track collared squirrels for nest census survey, as well as to locate and recover collars from squirrels that had moved outside standard monitoring range

University of British Columbia Okanagan **Kelowna, BC**

Undergraduate Research Award Student *May 2025 - Present*

- Designed and coded agent-based simulation models in R to test evolutionary stability of mammalian search strategies, generating results presented at two undergraduate research conferences
- Independently managed the full research pipeline, including model development, data analysis and validation, while collaborating with supervisor on study design and interpretation

- Mentored a high-school student through an independent mini-project, providing guidance on coding and experimental design

Research Assistant *Sept. 2023 - Apr. 2024*

- Processed and organized large-scale camera-trap image datasets alongside associated vegetation data, maintaining high accuracy across thousands of entries under strict project protocols

PROFESSIONAL EXPERIENCE

University of British Columbia Okanagan **Kelowna, BC**

Undergraduate Teaching Assistant *Sept. 2026 - Present*

- Prepared lessons for small lab sections, focused on teaching how to code in R.
- Managed classroom behaviour and answered questions, ensuring a safe and inclusive learning environment.
- Monitored and tracked student progress, providing detailed feedback on assignments.

Bamfield Marine Sciences Centre **Kelowna, BC**

UBCO Student Ambassador *Dec. 2024 - Present*

- Designed and delivered presentations to prospective students to promote marine science field courses, translating technical program content into accessible, engaging material
- Coordinated recruitment events and supported the application process, directly contributing to increased course enrollment

University of British Columbia Okanagan **Kelowna, BC**

Peer Notetaker *Sept. 2022 - Apr. 2023*

- Delivered accurate, well-organized lecture notes for chemistry and mathematics courses within 24 hours, supporting equitable access for students registered with the Disability Resource Centre

Circle C Equestrian **Falkland, BC**

Assistant Horse Trainer *July 2020 - Aug. 2023*

- Managed daily training and welfare for 20+ horses and other livestock, operating farm equipment and vehicles in a fast-paced setting
- Created social media content and outreach campaigns that attracted 30+ visitors for lessons, camps, and sales inquires

Deep Creek General Store **Armstrong, BC**

Cashier *Oct. 2018 - July 2021*

- Managed daily cashier operations while supporting inventory tracking and social media-driven customer engagement initiatives

PROJECTS & PUBLICATIONS

Terpsma, L. A., Martinez-Garcia, R., Fleming, C. H., Fagan, W. F., Calabrese, J. M., Noonan, M. J.

How the abundance, distribution, and unpredictability of resources shapes mammalian movement strategies. ***In preparation for Ecological Modelling***

Grundy, F., Pfeuntzer R., **Terpsma, L. A.**, Low, A. V., Caloren, A. W., Thomas, K. N., Ivy, C. M., Slein, M. A., Bowhay, C. *Disturbances in light, temperature, and turbidity modify re-emergence behavior in Sabellid worms.* ***In revision for Marine Ecology.***

PRESENTATIONS

Terpsma, L. A., Martinez-Garcia, R., Fleming, C. H., Fagan, W. F., Calabrese, J. M., Noonan, M. J. *Agent-Based Insights into Evolutionarily Stable Strategies in Mammalian Search Behaviour*. 5th annual conference of the British Columbia chapter of The Wildlife Society, Poster Symposium, September 2026.

Terpsma, L. A., Martinez-Garcia, R., Fleming, C. H., Fagan, W. F., Calabrese, J. M., Noonan, M. J. *Agent-Based Insights into Evolutionarily Stable Strategies in Mammalian Search Behaviour*. BRAES Student Poster Symposium. Kelowna, British Columbia. September 2026.

Terpsma, L. A., Martinez-Garcia, R., Fleming, C. H., Fagan, W. F., Calabrese, J. M., Noonan, M. J. *Agent-Based Insights into Evolutionarily Stable Strategies in Mammalian Search Behaviour*. UBCO Biology and Chemistry Undergraduate Research Poster Conference. Kelowna, British Columbia. April 2026.

Terpsma, L. A., Noonan, M. J. *Simulation-Based Insights into the Evolution of Mammalian Search Behaviour.* BRAES Symposium and Student Poster Forum. Kelowna, British Columbia. September 2025.

Terpsma, L. A., Noonan, M. J. *Simulation-Based Insights into the Evolution of Mammalian Search Behaviour.* 20th Annual Undergraduate Research Poster Symposium. Kelowna, British Columbia. September 2025.

HONOURS & AWARDS

Award	Amount	Awarding Body	Date
Governor General's Academic Bronze Medal	-	The Governor General of Canada	Jun. 2022
Undergraduate Scholarship	**$52,000**	The Cmolik Foundation	May 2022 - Present
Beedie Luminaries Scholarship (declined, funding overlap)	**$40,000**	Beedie Luminaries	May 2022
Undergraduate Research Award	**$11,000**	UBCO Irving K. Barber Faculty of Science	May - Aug. 2025
Presidential Scholars Award	**$10,000**	University of British Columbia Okanagan	Mar. 2022 - May 2024
Undergraduate Student Research	**$6,000**	Natural Sciences and	May - Aug. 2026

Award		Engineering Research Council of Canada	
Suppléments aux bourses de 1er cycle du CRSNG	**$1,500**	Nature and technologies - Fonds de recherche du Québec	May - Aug. 2026
Deputy Vice-Chancellor Scholarship for Continuing Students (x4)	**$1,000** (x4)	University of British Columbia Okanagan	Sept. 2023 - Present
The Wildlife Society Trailblazer Grant (Vortex Binoculars)	**$520** (value)	TWS Student Development Working Group	May 2026
2nd Place Poster Presentation	**$150**	UBCO Chemistry and Biology Undergraduate Research Conference	Apr. 2026
3rd Place Poster Presentation	**$75**	British Columbia chapter of The Wildlife Society	Sept. 2026

PROFESSIONAL TRAINING

Time Series Trend Analysis and Quantitative Environmental Impact Assessments

- Course hosted by the Columbia Mountains Institute of Applied Ecology, focusing on determining the risk of environmental effects during and after development and the use of statistical modeling to reduce or remove adverse impacts.

VOLUNTEERING

Ecology and Zoology Course Union *Sept. 2025 - Present*

- Organized and hosted monthly events and workshops targeted for students in ecology and zoology majors, including career development and skill-building sessions
- Member, UBCO Irving K. Barber Faculty of Science Equity, Diversity, and Inclusion Committee

Chronic Wasting Disease Sampling *Dec. 2024*

- Sampled 30 ungulate heads for thyroid and lymph nodes to send for testing for Chronic Wasting Disease, allowing for surveillance of disease in the Thompson-Okanagan region of British Columbia.

CERTIFICATIONS

TCPS 2: CORE 2022 | WHIMIS | First Aid/CPR/AED Level 1 | British Columbia Class 5 Driver’s License | Canadian Pleasure Craft Operator Card

MEMBERSHIPS & INTERESTS

- **Interests**: Backcountry camping; Offroad driving; Hiking; Photography
- **Memberships**: Columbia Mountains Institute of Applied Ecology; Society for Open, Reliable, and Transparent Ecology and Evolutionary Biology (SORTEE), The Wildlife Society (International, Canada, British Columbia, & Okanagan Chapters)