

POSITION DESCRIPTION

Position Title	Research Intern: Climate Data Analysis
Department/School	Selkirk Innovates
Reports to	Jonathan Doyle, Lauren Rethoret, Selkirk Innovates and representatives from the partner organization
Employee Group	N/A
Pay Grade	\$21.97/hr + 4% in lieu (current college / undergraduate students) \$23.97/hr + 4% in lieu (recent graduates / graduate students)
Total Hours	Variable based on student status and pay rate. Ranges from 365-420.
Number of Positions	1
Work Term	Nov 2026 – Feb 2027. Approximately 20-25 hours per week.
Work Location & Requirements	Remote (candidates must reside in British Columbia). The successful candidate must have access to their own computer, reliable internet connection, and a suitable home workspace to perform the duties of this position.
How to Apply	Submit resume and cover letter as attachments to jdoyle@selkirk.ca by 4:00 pm on October 19, 2026.

POSITION SUMMARY

The Selkirk Innovates Advanced Computing team (<https://selkirk.ca/advanced-computing>) is searching for a new team member to work with climate change data (PCIC-CMIP6), with a particular focus on data in the Columbia Basin.

This intern will support a Columbia Basin Trust funded project (<https://basinclimatesource.ca/>) as well as collaborate with a local Climate-data focused consultancy with new climate data and advance their statistic-based risk-analysis.

Tasks for this position will focus on:

- Accessing a new data source for climate data
- Calculating climate indicators for the Columbia Basin using the new dataset
- Preparing comparisons between the data for quality assurance
- Performing statistical analyses for climate risk-analysis application

Ideal candidates have a background working with weather or climate data, with a strong foundation in mathematics, statistics, and computer programming.

This internship will be based at Selkirk Innovates, Selkirk College's department that focuses on applied research and innovation. An internship experience at Selkirk Innovates brings many career development benefits. Interns work with their supervisors to develop a customized learning plan which can facilitate training, networking, mentoring, and other career development activities over the course of the position. The successful applicant will be required to enroll in the Selkirk

Innovates applied research internship training program, which does not have a fee. Fulfilment of course requirements is part of the paid internship experience.

This position is partially funded by Mitacs. It is open to students enrolled at or recently graduated from any post-secondary institution as long as they reside in British Columbia.

Select applicants may be offered a position on an eligibility list to fill similar positions if available.

COMMITMENT TO INCLUSIVE EXCELLENCE

The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. We strive to embody the values of respect, collaboration and diversity, and have a strong commitment to employment equity. Selkirk Innovates seeks qualified candidates who share our commitment to equity, diversity and inclusion, who will contribute to the diversification of ideas and perspectives, and especially welcomes applications from First Nations, Métis and Inuit peoples, members of racialized communities (“visible minorities”), persons with disabilities, women, and persons who identify as 2SLGBTQ+.

TASKS AND RESPONSIBILITIES

- Gather data from new data source (higher spatial resolution)
- Calculate the required climate indicators
- Prepare comparison with old indicators, considering the difference in spatial resolution
- Develop visualizations of analysis results (e.g., charts, infographics, maps)
- Integrate the higher resolution data with the existing website and deploy
- Python programming and integration with GitHub and Cloud based CI deployment pipeline

QUALIFICATIONS

- Experience with data processing and analysis
- Experience with quantitative and qualitative data analysis using Python
- Background in physics, mathematics, or statistics
- Familiarity with Python, Github, and JavaScript
- Ability to engage professionally and independently with community organizations
- Excellent interpersonal and time management skills
- High level of professionalism
- Ability to work efficiently and effectively without in-person supervision
- Reliable with the ability to work independently, manage multiple tasks, and meet deadlines
- Strong verbal and written communication skills
- Enrolment in, or completion of, a post-secondary program in a relevant discipline
- Place based knowledge of the Columbia Basin/Kootenay Region will be considered an asset
- Basic skills in cartography/Geographic Information Systems will be considered an asset